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EDUCATION

1985 - 1988	Biology Concentration The University of Michigan Ann Arbor, Michigan
June, 1992	Master of Science in Physiological Optics The Ohio State University College of Optometry Columbus, Ohio
June, 1992	Doctor of Optometry The Ohio State University College of Optometry Columbus, Ohio Summa Cum Laude Graduate
Jan, 2010	Doctor of Philosophy (Epidemiology) Case Western Reserve University Department of Epidemiology and Biostatistics

ACADEMIC APPOINTMENTS

1992 - 1994	Instructor; Physiological Optics Case Western Reserve University, School of Medicine Department of Ophthalmology, Cleveland, Ohio
1994 - 1996	Senior Instructor; Physiological Optics Case Western Reserve University, School of Medicine Department of Ophthalmology, Cleveland, Ohio
1996 - 2002	Assistant Professor; Ophthalmology Case Western Reserve University, School of Medicine Department of Ophthalmology, Cleveland, Ohio
2002- 2011	Associate Professor; Ophthalmology Case Western Reserve University, School of Medicine Department of Ophthalmology & Visual Sciences Cleveland, Ohio

2009-present	Clinical Professor: Auxiliary Faculty The Ohio State University College of Optometry Columbus, Ohio
2011-present	Professor Department of Epidemiology and Biostatistics; Renamed Population and Quantitative Health Sciences Case Western Reserve University, School of Medicine Cleveland, Ohio
2011-present	Professor Department of Ophthalmology & Visual Sciences Case Western Reserve University, School of Medicine Cleveland, Ohio
2020-present	CWRU Philip F. and Elizabeth G Searle - Suber Huang, M.D. Professorship in Ophthalmology

PROFESSIONAL POSITIONS

1992 –2007	Director, Contact Lens Service University Ophthalmologists, Inc. Cleveland, Ohio
1992-1998	Director, Low Vision Service University Ophthalmologists, Inc. Cleveland, Ohio
1998-2007	Director: Optometric Services University Ophthalmologists, Inc. Cleveland, Ohio
2007- present	Director: Contact Lens Service University Hospitals Eye Institute Cleveland, Ohio
1999- present	Associate Medical Staff University Hospitals Eye Institute University Hospitals of Cleveland
2010-2013	CWRU Vision Research Coordinating Center (VRCC) Director of Regulatory Affairs; Clinical Trials Unit
2013-2014	Co-Director CWRU Vision Research Coordinating Center and Clinical Trials Unit within Department of Ophthalmology & Visual Sciences
2014-present	Director CWRU and UH Eye Institute Vision Research Coordinating Center

PROFESSIONAL SOCIETIES

1991-92	Vice President; American Optometric Student Association
1990-91	National Trustee; American Optometric Student Association
1988-present	Ohio Optometric Association (OOA)
1988- present	American Optometric Association (AOA)
1990- present	AOA Contact Lens Section
1992- 2009	International Association of Contact Lens Educators (IACLE)
1992- present	Contact Lens Association of Ophthalmologists (CLAO) renamed Eye and Contact Lens Association (ECLA)
1992- present	Association for Research in Vision & Ophthalmology (ARVO)
1994- present	Fellow-American Academy of Optometry
1996- present	Diplomate-Cornea, Contact Lens, & Refractive Technologies Section of the American Academy of Optometry
1996-present	Gas Permeable Lens Institute (GPLI)
2005- present	International Society for Contact Lens Research (ISCLR)
2009-2022	Ocular Surface Society of Optometry
2015-2020	Fellow: British Contact Lens Association (BCLA)
2018-present	International Keratoconus Association (IKA)

DEPARTMENTAL, LOCAL AND REGIONAL SERVICE AND COMMITTEE ACTIVITIES

1993-95	Ohio Optometric Association, Continuing Education Committee
1994-00	Junior Committee: Cleveland Orchestra
1995-98	East-West Eye Conference Planning Committee
1998-2003	Chairman: Continuing Education Committee; East-West Eye Conference of the Ohio Optometric Association
2003-present	East-West Eye Conference Program Committee
2008-present	Chair; CWRU Department of Ophthalmology & Visual Sciences IRB Review Committee
2012-2016	Clinical Research Executive Committee; University Hospitals of Cleveland Center for Clinical Research and Technology
2018-present	UHCMC Clinical Research Center Policy Oversight Committee
2019-2020	Outreach Consultant: UHCMC Clinical Research Center
2019-2024	UHCMC Clinical Research Center representative to Vice Chairs of Research Committee
2024-present	CWRU Medical Student Admissions Committee (MSAC); CWRU School of Medicine University Program (4-year MD program)
2020-present	CWRU Department of Ophthalmology & Visual Sciences Grand Rounds Committee

NATIONAL AND INTERNATIONAL COMMITTEE & STUDY SECTION APPOINTMENTS

- 1996-present: Advisory Member: Gas Permeable Lens Institute (GPLI)
- 1996-00 Corporate Support Committee: American Academy of Optometry
- 1996 Review Committee: National Eye Institute (NEI) Ad Hoc Special Emphasis Panel
- 1997 Grant Review Committee: American Optometric Foundation
- 1998 Review Committee: Wesley-Jessen Student Excellence Award
- 1998-99 Advocates Council: Menicon USA
- 1999 Review Committee: National Eye Institute (NEI) Ad Hoc Special Emphasis Panel

- 1999 Grant Review Committee: American Optometric Foundation

- 1999-present: AOA Contact Lens Section Resource Committee
- 2000 Review Committee: National Eye Institute (NEI) Ad Hoc Special Emphasis Panel

- 2000-2004 American Academy of Optometry Scientific Program Committee
- 2001 - 2006 Section Leadership: Slide Exam Sub-Chair; Oral Exam Sub-Chair; Case Report Sub-Chair; Cornea & Contact Lens Section, American Academy of Optometry

- 2001-2002 AOA Contact Lens and Cornea Section Chairperson of the Congress Symposium Committee

- 2003 Chair of Institutional Review/Research: AOA Contact Lens and Cornea Section

- 2004 Review Committee: National Eye Institute (NEI) Ad Hoc Special Emphasis Panel

- 2005 Review Committee: National Eye Institute (NEI) Ad Hoc Special Emphasis Panel
- 2006 Review Committee: National Eye Institute Loan Repayment Program
- 2006-2008 Executive Committee, Diplomate Award Chair; Cornea & Contact Lens Section, American Academy of Optometry

- 2007-Present Food & Drug Administration Ophthalmic Devices Panel: Consultant
- 2008 Review Committee: National Eye Institute (NEI) Ad Hoc Special Emphasis Panel

- 2008-2010 Executive Committee, Program Chair and Member Benefits Chair; Cornea, Contact Lens & Refractive Technologies Section, American Academy of Optometry

- 2009 Review Committee: National Eye Institute (NEI) Ad Hoc Special

Emphasis Panel

2010-2012	Executive Committee, Secretary; Cornea, Contact Lens & Refractive Technologies Section, American Academy of Optometry
2011	Review Committee: National Eye Institute Loan Repayment Program
2011-2019	Council Member: International Society of Contact Lens Research
2019- Present	2 nd term Council Member: International Society of Contact Lens Research
2011	Review Committee: National Eye Institute (NEI) Ad Hoc Special Emphasis Panel
2012-2014	Vice-Chair; Section on Cornea, Contact Lenses & Refractive Technologies, American Academy of Optometry
2013-present	Review Committee: National Eye Institute Loan Repayment Program
2013	Review Committee: National Eye Institute (NEI) Ad Hoc Special Emphasis Panel
2014	Review Committee: Bioengineering of Neuroscience, Vision, and Low Vision Technologies (BNVT) Study Section Ad Hoc Special Emphasis Panel
2014-16	Chair; Section on Cornea, Contact Lenses & Refractive Technologies, American Academy of Optometry
May 2014	FDA Ophthalmic Devices Panel Member: Microbiology and Contact Lens Care Products
Sept. 2014	FDA Workshop Planning Committee and Session Moderator: Microbiology and Contact Lens Disinfection
Dec.2014	Review Committee: National Eye Institute (NEI) Review Panel for Anterior Eye and Glaucoma Grant Applications
March 2016	National Eye Institute (NEI) K08 Review Committee
2016-18	Immediate Past Chair; Section on Cornea, Contact Lenses & Refractive Technologies, American Academy of Optometry
2019-20	Advisor and Awards/Nominating Committee Member; Section on Cornea, Contact Lenses & Refractive Technologies, American Academy of Optometry

2016-2018	National Eye Institute (NEI) K23 Review Committee
2018-present	Eye & Contact Lens Society (previously Contact Lens Association of Ophthalmologists) Board Member
2018-present	American Academy of Optometry Foundation Board Member
2019- present	Data Safety and Monitoring Committee: NEI funded Steroids and Cross-linking for Ulcer Treatment (SCUT II) trial
2021- present	Chair; Data Safety and Monitoring Committte: NEI funded MSC Secretome Study (Safety of Topical Mesenchymal Stromal Cell Derived Secretome for Ocular Surface Disease)
2021- present	Chair: Data Safety and Monitoring Committte Chair: Visioneering Technologies, Inc. PROgressive Myopia Treatment Evaluation for NaturalVue Multifocal Contact Lens Trial (PROTECT)
2022-present	Vice-President Finance; International Society for Contact Lens Research (ISCLR) Executive: 2 nd term in 2024
2022-2024	Secretary-Treasurer: American Academy of Optometry Foundation
2023	Review Committee: National Eye Institute (NEI) Ad Hoc Special Emphasis Panel
2024	Review Committee: National Eye Institute (NEI) Secondary Data Analysis and Conference Grant Applications
2025	Review Committee: National Eye Institute (NEI) NEI Mentored Clinician Scientist (K08/K23) applications
2025	Review Committee: National Eye Institute (NEI) Small Business: Sensory Technologies: Vision, Auditory and Low Vision Panel
2024-2026	Vice-President: American Academy of Optometry Foundation

PEER REVIEWED JOURNAL REVIEWS AND EDITORIAL BOARDS:

1996-	Reviewer: International Contact Lens Clinics
1996-present	Reviewer: Optometry and Vision Science
1998-present:	Reviewer: The CLAO Journal (renamed Eye & CL)
1998-present	Reviewer: The American Journal of Ophthalmology
1998-present	Reviewer: Journal of the American Optometric Association
1999-present:	Reviewer: Ophthalmology
2006-present	Reviewer: Cornea
2010-present	Reviewer: Investigative Ophthalmology & Visual Science
2001-2002	Editorial Board: International Contact Lens Clinic
2003-04	Guest Topical Editor: Optometry and Vision Science
2004– 2007	Editorial Board; Contact Lens Topical Editor: Optometry and Vision Science

2007-2010	Editorial Board; Contact Lens Topical Editor: Optometry and Vision Science: 2 nd term
2010-present	Editorial Board; Eye & Contact Lens Journal
2010-2011	Guest Topical Editor: Optometry and Vision Science
2011-2016	Editorial Board; Contact Lens Topical Editor: Optometry and Vision Science
2017-18	Guest Topical Editor: Optometry and Vision Science
2012	Reviewer: Ophthalmic Epidemiology
2013	Reviewer: Journal of Cataract & Refractive Surgery
2013-present	Associate Editor: Eye & Contact Lens Journal

OTHER EDITORIAL BOARDS

1997-88	Consulting Editor; Contact Lens Spectrum
1997-99	Senior Clinical Editor: Optometry Today
1998-2024	Contributing Editor: Contact Lens Spectrum
1999-2024	Contributing Editor: Review of Optometry
2000-2024	Editorial Board: Optometric Management
2001-2024	Editorial Board: Review of Contact Lenses
2009-2017	Section Editor: Contact Lenses; Optometry Times

HONORS/AWARDS

1989 - 1992	Emil H. Arnold Scholar
1991	Ohio Optometric Association Scholar
1991	Junior of the Year Optometry Student
1991	Bausch & Lomb Contact With The Future Travel Grant
1991	Alcon Contact Lens Excellence Scholarship
1991	American Academy of Optometry, Travel Fellowship
1992	Ohio Optometric Association, Outstanding Scholar
1992	Sola/Barnes-Hind Recognition Award
1992	The Vincent J. Ellerbrock Memorial Award (research accomplishments in Ophthalmic Science)
1992	Bausch & Lomb Poster Competition Winner
1992	Beta Sigma Kappa Award for Highest Academic Achievement
1992	Summa Cum Laude, Doctor of Optometry
1995	Rigid Gas Permeable Lens Institute Publication Award
1997	Jack Keith Young Ohio Optometrist of the Year
1998	Rigid Gas Permeable Lens Institute Publication Award
2000	George Nissel Award: British Contact Len Assoc. London, England
2004	American Optometric Foundation Ezell Fellowship: Section on Cornea and Contact Lenses Ezell Fellow
2005	American Optometric Foundation Ezell Fellowship: George Mertz Ezell Fellow
2007	Prevent Blindness Ohio: Female Scholar in Vision Research
2012	Nathaniel Springer Award; University of Alabama, Birmingham College of Optometry, Birmingham, AL
2014	Named as one of the 100 "2014 Centennial Notables" for The Ohio State University College of Optometry; https://optometry.osu.edu/100/Notable/index05f0.html?a=35
2015	British Contact Lens Association (BCLA) Keynote

- 2015 Donald Korb Award Recipient; The American Optometric Association Cornea and Contact Lens Section
- 2016 Named as one of 30 Most Influential International Contact Lens Practitioners in the past 30 years; Contact Lens Spectrum; <https://www.clspectrum.com/issues/2016/september-2016/30-most-influential-in-contact-lenses>
- 2016 Named as one of the Top 250 optometrists; Primary Care Optometry News: <https://www.healio.com/optometry/primary-care-optometry/news/print/primary-care-optometry-news/%7B0103d3c1-f83a-467f-a5a2-7f94d0be9cf4%7D/pcon-250?platform=hootsuite>
- 2017 The Ohio State University College of Optometry Distinguished Alumnus of the Year
- 2022 Carel Koch Memorial Medal: American Academy of Optometry
- 2022 Hall of Fame Inductee: American Academy of Optometry
- 2024 American Institute of Polish Culture Special Recognition for Excellence in Vision Research, Clinical Care and Innovations in Contact Lenses
- 2024 Dr. Arthur B Epstein GPLI Award for Excellence in Specialty Contact Lenses and Anterior Segment Disease
- 2024 2024 Richard and Leonora Lecturer on Frontier in Vision Research, The Ohio State University College of Optometry
- 2025 Global Specialty Lens Symposium (GSLS) Award of Excellence January 15, 2025 in Las Vegas, NV
- 2025 Max Shapero Award, Section on Cornea, Contact Lenses and Refractive Technologies, American Academy of Optometry

VOLUNTEER ACTIVITIES

- 2000-2002: Volunteer: Rainbow Babies & Children's Hospital
- 2009-2014 Ohio Optometric Association Real Eyes Program Instructor
- 2009-2011 Ruffing Montessori School Annual Fund Raiser Committee
- 2009-2015 Girl Scout Leader Gesu School Troop 442
- 2009-present Gesu Wellness Ministry
- 2011-2019 Gesu School PTO
- 2016-18 Chair; Figure Skating Committee, Cleveland Skating Club
- 2018-2022 Member: Figure Skating Committee, Cleveland Skating Club

LICENSURE

- 1992 - present Ohio State Board of Optometry

STUDENT TEACHING:

- 1992-94 Basic Science Optics to 1st year UHC Ophthalmology Residents
- 1992-1996 Monthly Optics/Contact Lens Seminars to UHC Ophthalmology Residents
- 1996-2011 Basic Science Optics and Contact Lenses subspecialty lecturer and coordinator: Department of Ophthalmology; Case Western Reserve University

- 1992-present Clinical Mentor: UHC Ophthalmology Resident Contact Lens Clinic
- 1992-96: Clinical Mentor: Optometric Residents @ Cleveland VA and Cleveland Sight Center
- 1996,99,00 CWRU Medical Student Basic Ophthalmology Course: "Contact Lens Basics"
- 1994,1998 Co-Director: CLAO Regional Contact Lens Course: Cleveland, Ohio
- 1996,2000 Lecturer: CLAO Regional Contact Lens Course: Columbus, Ohio
- 1999-2009 Optometric Contact Lens Resident RGP Course, sponsored by Rigid Gas Permeable Lens Institute; Topic: *Post Surgical Contact Lens Fitting*
- 2002-present Optics and Contact lens didactics and reviews/UHC Ophthalmology residents
- 2009 Corneal Infiltrates and Contact Lenses; 3rd year students; NOVA Southeastern University College of Optometry
- 2012 Contact Lens Related Infiltrates, 3rd year students; The Ohio State University College of Optometry Guest Lecturer
- 2006-2019 Post-surgical Contact Lens Fitting, 3rd year students, University of Missouri-St. Louis College of Optometry; Annual Guest Lecturer
- 2017 Contact Lens Related Infiltrates, Optometry Graduate Students; The Ohio State University College of Optometry
- 2019-present Course Leader/Instructor: PQHS 450 Clinical Trials, Case Western Reserve University

PROJECT MENTOR: UNDERGRADUATES, MEDICAL STUDENTS, OPTOMETRY STUDENTS, OPHTHALMOLOGY RESIDENTS AND FELLOWS

- 1995-96 Joseph Thomas MD; Axial and Instantaneous Topography in Keratoconus Presented: The CLAO Meeting 1996
*Published: Szczotka, L, **Thomas, J.** Comparison of Axial and Instantaneous Videokeratographic Data in Keratoconus and Utility in Contact Lens Curvature Prediction. The CLAO J 24(1): 1-7, 1998.*
- 1997: Externship Mentor: University of Missouri-St. Louis College of Optometry: Ann Laurienzi, B.S.
- 1996-97 Lisa Nath, MD: The Utility of the EyeSys Pro-Fit Contact Lens Software in Predicting Residual Astigmatism.
Presented: The Annual CLAO Meeting 1997

- 1997-99 Tushina Reddy MD: Utility of Corneal Topography in Soft Toric Lens Fitting.
Presented: The Annual CLAO Meeting, Las Vegas, Jan 1998 and The Annual CLAO Meeting, Las Vegas, Jan 1999
*Published: **Reddy T**, Szczotka L, Roberts C. Peripheral Corneal Contour Measured By Topography Influences Soft Toric Contact Lens Fitting Success. CLAO J. 2000 Oct;26(4):180-5.*
- 1997-98 Michael Aronsky, MD: Utility of Axial and Instantaneous Data in Reverse Geometry RGP Fitting.
Presented ARVO Annual Meeting May 1998; *IOVS 39(4s) 1998.*
*Published: Szczotka LB, **Aronsky M**. Contact Lenses After LASIK: J Am Optom Assoc 1998; 69:775-84.*
- 1998-99 Binoy Jani MD: Comparison of EyeSys and Humphrey Contact Lens Modules
Presented: The CLAO Annual Meeting, Las Vegas Jan. 1999
*Published: **Jani BR** and Szczotka LB. Efficiency and Accuracy of Two Computerized Topography Software Systems for Fitting Rigid Gas Permeable Contact Lenses. CLAO J. 2000; 26(2):91-96.*
- 1999-00 Michael Shaunessy MD: Efficacy and Feasibility of Fitting RGP Lenses in the Pediatric Population
Presented: The CLAO Annual Meeting, Las Vegas Jan 2000.
*Published: **Shaunessy M**, Szczotka LB, Jeffery A, Ellis FJ. Efficacy and Feasibility of Fitting RGP Lenses in the Pediatric Population. The CLAO J 2001; 27(4):195-201.*
- 2000 Binoy Jani MD: Corneal Topography for Spherical RGP Fitting After LASIK
*Published: Szczotka-Flynn L and **Jani B**. Comparison of Axial and Tangential Topographic Algorithms for Contact Lens Fitting after LASIK. Eye & Contact Lens. 31(6): 257-62; 2005*
- 2001 Externship Mentor: Michigan College of Optometry; Adina Blum, B.S
- 2006-2008 Rouzbeh Ahmadian B.S. (Medical Student) Comparative relative risk of contact lens associated microbial keratitis and sterile keratitis to other life risks:
*Published: Szczotka-Flynn L, **Ahmadian R**, Diaz M. A re-evaluation of the risk of microbial keratitis from overnight contact lens wear compared with other life risks. Eye Contact Lens. 2009 Mar;35(2):69-75.*
- 2007-08 Shamil Patel MD: Menicon Z Therapeutic Lens Indication Study
Presented: Patel S, Szczotka-Flynn L. Menicon Z Rigid Gas Permeable Lenses for Keratoconus and Irregular Corneal Astigmatism. ARVO 2008 E-abstract 4858.

*Published: Szczotka-Flynn L and **Patel S**. Menicon Z Rigid Gas Permeable Lenses for Keratoconus and Irregular Corneal Astigmatism. Eye Contact Lens. 2008 Sep;34(5):254-60.*

- 2007-08 Jana Kuo MD: Association between corneal staining and other clinical factors in the LASH Study
*Presented: **Kuo J**, Albright M, Szczotka-Flynn L. Is There An Association Between Corneal Staining and Other Clinical Slit Lamp Variables During 30 Day Soft Lens Continuous Wear? ARVO 2008 E-abstract 4832.*
- 2007-08: Matthew Albright MD: Global Corneal Staining Scales in Soft Contact Lens Wear
*Presented: **Albright M**, Kuo J, Szczotka-Flynn L. An Evaluation of Global Corneal Staining Scales in Soft Contact Lens Wear. ARVO 2008 E-abstract 4838.*
- 2008-2009 Beth Gillespie MD: Evaluation of LASH Study Corneal Staining Grading
Presented: Resident Research Day June 2009
- 2008-2010 Phyllis Eze MD: Posterior Elevation Indices for Keratoconus Screening
*Presented: **Eze P**, Szczotka-Flynn L, Mahmoud A, Roberts C. Orbscan Measured Posterior Corneal Elevation as an Index to Screen for Keratoconus in the Normal Population, ARVO 2009 E-abstract 3539.*
- 2008-2009 Aiden Johnson MD: Evaluation of Ophthalmology Resident USMLE and OKAP scores to ABO pass rates.
Published: A Comparative Study of Resident Performance on Standardized Training Examinations and the American Board of Ophthalmology Written Exam. Ophthalmology
- 2009-2010 Donghai Ho, MD. Biofilms and their roles in Infiltrative keratitis
*Published: Retuerto M, Szczotka-Flynn L, **Ho D**, Mukherjee P, Ghannoum M. Efficacy of Care Solutions Against Contact Lens Fusarium Biofilms; Optometry & Vis Sci. 2012. 89(4):382-91.*
- 2009-2011 Scott Yeates, MD Corneal thickness and posterior elevation changes with extended contact lens wear
Presented: Resident Research Day 2012
- 2010 Kathryn Woeste (undergraduate), project mentor BIO 388, Case Western Reserve University
- 2011-2012 Dissertation Committee Member and Research Advisor: Angela Tagliaferri, M.S. Epidemiology, CWRU Department of Epidemiology & Biostatistics
*Published: **Tagliaferri A**, Love T, Szczotka-Flynn L. Risk Factors For Contact Lens Induced Papillary Conjunctivitis Associated With Silicone Hydrogel Contact Lens Wear. Eye & Contact Lens Journal..*

- 2012-2013 Jessica Lee MD: Confocal Microscopy Ancillary Study to Daily Wear Corneal Infiltrative Event Study
Presented: **Jessica G. Lee**, Xiaolin Zhang , Christine Marchetti, Ying Jiang , Yan Sun, Sara Debanne, Jessie Lemp, Beth Ann Benetz , Eric Pearlman, Loretta Szczotka-Flynn. *In vivo confocal microstructural analysis of corneal epithelial cell changes related to daily wear use of silicone hydrogel contact lenses. ARVO 2013*
- 2012-2013 Christine Marchetti MD. Confocal Microscopy Ancillary Study to Daily Wear Corneal Infiltrative Event Study
Presented: **Christine Marchetti**, Xiaolin Zhang, Jessica Lee, Yan Sun, Sara Debanne, Ying Jiang, Jami Kern, Beth Ann Benetz, Eric Pearlman, Loretta Szczotka-Flynn. *Corneal Stroma and Endothelial Cell Changes in Contact Lens Wearers Visualized with Confocal Microscopy. ARVO 2013.*
- 2012-2013 Tamar Shafran MD. Application of senofilcon A lenses for therapeutic treatments
*Published: **Shafran T**, Gleason W, Osborn Lorenz K, Szczotka-Flynn LB Application of senofilcon a contact lenses for therapeutic bandage lens indications. ECL 2013 Sep;39(5):315-23*

*Presented: Association Of Muc16 In Mucin Ball Formation. Loretta Szczotka-Flynn, **Tamar Shafran**, Sandra Spurr-Michaud, Ilene Gipson. American Academy of Optometry Annual Meeting eAbstract 125457.*
- 2011-2013 Jennifer Depry MD (UHCMC Department of Dermatology) UVB protective properties of Contact Lenses in Phototherapy Booths
*Published: **Depry**, Golding, Szczotka-Flynn. et al UVB-protective properties of contact lenses with intended use in photoresponsive eyelid dermatoses. Photodermatol Photoimmunol Photomed. 2013 Oct;29(5):253-60.*
- 2012-15 Xiolang Zhang MD: Confocal Microscopy Ancillary Study to Daily Wear Corneal Infiltrative Event Study. *Published. **Zhang X.**, Marchetti C, Lee J, Sun Y, Debanne S, Jiang Y, Kern J, Harrod M, Benetz BA, Pearlman E, Szczotka-Flynn L. The Impact of Lens Care Solutions on Corneal Epithelial Changes During Daily Silicone Hydrogel Contact Lens Wear as Measured by In Vivo Confocal Microscopy. Contact Lens & Anterior Eye. 2017; 40(1):33-41.*
- 2018-2021 Sophia Murillo, CWRU Medical Student. Scleral Lens Oxygen Transmissibility and Corneal Swelling in Post Keratoplasty Eyes
PRESENTED: 2019 Annual ARVO Meeting, Vancouver and PUBLISHED IN: **Murillo SE**, Shariff A, Lass JH, Szczotka-Flynn LB. *Acute corneal edema decades after penetrating keratoplasty for keratoconus in eyes wearing scleral contact lenses. Cont Lens Anterior Eye. 2021 Feb;44(1):108-114.*

- 2019-2021 Akailah Mason, CWRU Medical Student. Genetic Susceptibility to Contact Lens Microbial Keratitis
- 2019-2021 Emily Petrinec, NEOMED Medical Student. Genetic Susceptibility to Contact Lens Microbial Keratitis
- 2020-2022 Isabella Yazji; CWRU undergraduate: NASA Study, IXT Study
- 2020-present Soham Shah; CWRU Medical Student: Genetic Susceptibility to Contact Lens Microbial Keratitis; PUBLISHED IN: *Szczotka-Flynn, LB, Sangeetha Raghupathy, **Soham Shah**, Kunal Suri, Farren Briggs, Sudha K. Iyengar. Risk Factors for Bacterial Keratitis and Severe Disease in Hydrogel Contact Lens Users: A Multi-Center Case Control Study and Case-Only Analysis. Eye & Contact Lens Journal. 2024 Nov 1;50(11):461-466.*
- 2020-2023 Kunal Suri MD: UHCMC Ophthalmology Resident: Genetic Susceptibility to Contact Lens Microbial Keratitis. PUBLISHED IN: *Szczotka-Flynn, LB, Sangeetha Raghupathy, Soham Shah, **Kunal Suri**, Farren Briggs, Sudha K. Iyengar. Risk Factors for Bacterial Keratitis and Severe Disease in Hydrogel Contact Lens Users: A Multi-Center Case Control Study and Case-Only Analysis. Eye & Contact Lens Journal. 2024 Nov 1;50(11):461-466*
- 2023-24 Jaskirat Takhar MD: UHCMC Ophthalmology Resident; Endothelial Cell Changes and Corneal Swelling in Post-Keratoplasty Patients with Contact Lens Wear: RESULTING ABSTRACTS: *Szczotka-Flynn L, Michaud L, Schornack M. OD, **Takhar J**, Sindt C, Nguyen T, McMahon T. Regional Variation of Endothelial Cell Density and Impact on Corneal Swelling After Penetrating Keratoplasty. American Academy of Optometry Annual Meeting, New Orleans, LA. Oct 2023 and Michaud L, Szczotka-Flynn L, Schornack M. OD, **Takhar J**, Sindt C, Nguyen T, McMahon T. The Effect Of Contact Lens Wear On Corneal Swelling After Penetrating Keratoplasty. American Academy of Optometry Annual Meeting, New Orleans, LA. Oct 2023.*
- 2024-present Danielle Wilfand; CWRU Medical Student: Genetic Susceptibility to Recurrent Keratoconus *Resulting Abstract: **Danielle Wilfand**, Anna Fotinich, Kelly Hsieh, Sangeetha Raghupathy, Ashleigh Schaffer, Pirro G Hysi, Sudha K Iyengar, Loretta Szczotka-Flynn; Demographic and Comorbid Risk Factors Associated with Unstable Keratoconus. Invest. Ophthalmol. Vis. Sci. 2025;66(8):1932, **ARVO Student Travel Award Recipient** and Department of Ophthalmology Research Day 2025: **Danielle Wilfand**, Anna Fotinich, Kelly Hsieh, Sangeetha Raghupathy, Ashleigh Schaffer, Pirro G Hysi, Sudha K Iyengar, Loretta Szczotka-Flynn; Demographic and Comorbid Risk Factors Associated with Unstable Keratoconus: **Lass Student Award Recipient***

2024-present Kelly Hsieh: CWRU Undergraduate: Genetic Susceptibility to Recurrent Keratoconus *Resulting Abstract: Danielle Wilfand, Anna Fotinich, **Kelly Hsieh**, Sangeetha Raghupathy, Ashleigh Schaffer, Pirro G Hysi, Sudha K Iyengar, Loretta Szczotka-Flynn; Demographic and Comorbid Risk Factors Associated with Unstable Keratoconus. Invest. Ophthalmol. Vis. Sci. 2025;66(8):1932.*

SELECTED PRESENTATIONS

Internal: Case Western Reserve University and University Hospitals of Cleveland Grand Rounds and CME

1. *Contact Lens Correction of the Irregular Cornea*, February 1993.
2. *Corneal Topography in the Contact Lens Practice*: Computer Assisted Rigid Contact Lens Fitting, October, 1993.
3. *Corneal Topography as a Diagnostic Instrument in the Contact Lens Practice*, October 1993.
4. *Computer Assisted Rigid Lens Design*, October 1993.
5. *Recent Software Advancements in Corneal Modeling Systems*: Oral presentation, Twelfth Annual Alumni Conference; "Future Directions in Ophthalmology", The Forum Conference and Education Center, Cleveland, Ohio, September, 1994.
6. *Bifocal Contact Lens; The Art & Science of Presbyopic Lens Correction*, January, 1995.
7. *Physiologic Changes with Contact Lenses: How Are New Lenses Better Than Old?* October 6, 1995.
8. *Collaborative Longitudinal Evaluation of Keratoconus (CLEK) Study Update*, January 24, 1996.
9. *The Top Ten Ways to Fit Toric Contact Lenses*, Nov. 1996.
10. *Contact Lenses for Complications Following Corneal Surgery*, January 1998.
11. *Extended Wear Contact Lens Update*, June 1998.
12. *New Perspectives on Continuous Wear of Contact Lenses*, Nov. 1998
13. *Advanced Contact Lens Fitting in Keratoconus and Following Corneal Surgery. 17th Annual Update For The Comprehensive Ophthalmologist*, April 1999.
14. *Corneal Topography: Understanding the Maps*; Case Western Reserve University Department of Ophthalmology Grand Rounds , March 1, 2000.

15. *Contact Lenses: Risks and Benefits*. Update for the Comprehensive Ophthalmologist, Technicians Program, May 2000.
16. *Pediatric Contact Lenses*: Case Western Reserve University Department of Ophthalmology Grand Rounds , Feb 21, 2001.
17. *Update on Topographic Detection and Contact Lens Management of Keratoconus*. Update for the Comprehensive Ophthalmologist, April 2001.
18. *Bifocal Contact Lenses*: Case Western Reserve University Department of Ophthalmology Grand Rounds, Feb 6, 2002.
19. *Modern Orthokeratology*: Case Western Reserve University Department of Ophthalmology Grand Rounds Oct 8, 2003.
20. *Wavefront Contact Lenses*: Case Department of Ophthalmology Update for the Comprehensive Ophthalmologist; May 2006.
21. *Unusual Contact Lens Cases from a University Based Practice Setting*: University Ophthalmologists, Inc. Continuing Education Series for Optometrists. June 2006.
22. *Epidemiology and Ophthalmology*: Case Department of Ophthalmology Grand Rounds: April 2006.
23. *Epidemiology and Ophthalmology*: Case Department of Ophthalmology Visual Sciences Research Center Seminar Series January 2007.
24. *Regulatory Pitfalls in Ophthalmic Research*. Case Department of Ophthalmology Visual Sciences Research Center Seminar Series October 2007.
25. *Corneal Infiltrates: From Tissue to Treatment*: UHCMC Department of Ophthalmology Continuing Education Series for Optometrists. November 2007.
26. *Complex Contact Lens Fitting*. Update for the Comprehensive Ophthalmologist, Case Western Reserve University Continuing Medical Education. May 16th 2008.
27. *Contact Lens Related Corneal Infiltrates*: CWRU Visual Sciences Research Seminar Series. October 2008.
28. *Genetics of Keratoconus*: UHCMC Department of Ophthalmology and Visual Sciences Grand Rounds. April 1, 2009.
29. Visual Sciences Research Center Basic and Clinical Science Discussion Session Leader. April 23, 2009.
30. *Corneal Infiltrative Events with Contact Lenses*. UHCMC Department of Ophthalmology and Visual Sciences Grand Rounds. Dec. 2, 2009.

31. *The Association Between Mucin Balls and Contact Lens Related Inflammatory Events*. Department of Ophthalmology VSRC Research Seminar, June 2010.

32. Activated Protein C and Fungal Biofilms: Department of Ophthalmology VSRC Research Seminar, June 2011.

33. Setting up a Multicenter Clinical Trial, The Corneal Preservation Time Study; CWRU Department of Epidemiology and Biostatistics, March 2012.

34. Preliminary Results of the Daily Wear Corneal Infiltrative Event Study; VSRC Research Seminar, June 2012.

35. Conundrums in Contact Lens Care: UHCMC Eye Institute Optometrist Seminar. September 2013.

36. Solving the Genetic Puzzle of Keratoconus. CWRU Department of Epidemiology and Biostatistics Seminar, February 24, 2014.

37. Contact Lens Related Corneal Inflammation. CWRU Department of Ophthalmology & Visual Sciences Grand Rounds. March 26, 2014.

38. Contact Lens Related Corneal Inflammation. CWRU Department of Ophthalmology & Visual Sciences Grand Rounds. Feb 4, 2015.

39. Investigator Initiated Studies in the CWRU Department of Ophthalmology & Visual Sciences. Grand Rounds. Dec, 16th, 2015.

40. Optometry Case Presentations. CWRU Department of Ophthalmology & Visual Sciences Grand Rounds Feb 2017.

41. Optometry Case Presentations. CWRU Department of Ophthalmology & Visual Sciences Grand Rounds. March 2019

42. CL Disinfection in the Age of ISO and COVID-19: CWRU Department of Ophthalmology & Visual Sciences Grand Rounds. Sept 2021.

43. UH Healthy Vision Month: Ongoing Search for Risk Factors Associated with Contact Lens Associated Infection and Inflammation, July 2022

44. Post-surgical considerations in Keratoconus Management: CWRU Department of Ophthalmology & Visual Sciences Grand Rounds. Oct 19 2022

45. When do you need and IND or IDE? CWRU Department of Ophthalmology & Visual Sciences Grand Rounds. Nov 8, 2023.

46. Baseline Findings in the Diabetes Endothelial Keratoplasty (DEKS) Study. CWRU Department of Ophthalmology & Visual Sciences Grand Rounds. Oct 23, 2024.

Invited External Presentations:

1. *Topography in the Ophthalmic Practice - Contact Lens Fitting*: Course: Computerized Corneal Topography for the Contemporary Refractive Practice, Technologies for Growth In The 90's. St. Louis, MO. October, 1993.
2. *Optics and Design of Toric Contact Lenses*: The Ohio State University College of Optometry, October 1993, 1994, 1995.
3. *Computerized Topography; Analysis and Benefit in RGP Design*: Cleveland Veteran's Administration Continuing Education for Optometrists, Brecksville, Ohio; January, 1994.
4. *Everything You Need to Know About Contact Lenses*. Television Interview, The Morning Exchange; January, 1994, Cleveland, Ohio.
5. *Extended Wear Contact Lenses*. Television Interview, The Morning Exchange; March 1994, Cleveland, Ohio.
6. *Contact Lens Correction of the Irregular Cornea and Aspheric Contact Lenses*: Cleveland Society of Opticians, Broadview Heights, Ohio, April, 1994.
7. *Bifocal Contact Lens Fitting and Fundamentals*: CLAO Regional Basic Contact Lens Course, Cleveland, Ohio, April, 1994.
8. *Contact Lenses, Risks, and Benefits*: National Association of Vision Professionals Conference, Cleveland-Marriott Society Center, Cleveland, Ohio, August, 1994.
9. *Corneal Topography for Interactive RGP Fitting*. American Academy of Optometry Annual Meeting; December 1994.
10. *Bifocal Contact Lens; The Art & Science of Presbyopic Lens Correction*: Ohio Optometric Association Annual Fall Conference, Huron, Ohio, October, 1994.
11. *Bifocal Contact Lens; The Art & Science of Presbyopic Lens Correction*: 1995 CLAO Annual Meeting Las Vegas, Nevada January, 1995.
12. *Bifocal Contact Lens; The Art & Science of Presbyopic Lens Correction*: Ohio Optometric Association Annual Fall Conference, October 21, 1995.
13. *Contact Lens Correction of the Irregular Cornea*. Ohio Optometric Association Fall Conference, October 21, 1995.
14. *Bifocal Contact Lens; The Art & Science of Presbyopic Lens Correction*: CLAO Annual Meeting Las Vegas, Nevada February, 1996.
15. *Contact Lens Correction of the Irregular Cornea*. Summit County Optometric Association Annual Meeting, March, 1996.
16. *Corneal Topography: Topographically Based Contact Lens Correction*. International Academy of Optometry Meeting, Copenhagen, Denmark; May, 1996.

17. *Keratoconus Chat Session Expert America On Line*, August 1996, June 1997.
18. *Corneal Topography*: East West Eye Conference, Cleveland, Ohio. Oct 1996
19. *Contact Lens Fitting with Corneal Topography*: Professional Contact Lens, Inc. Seminar. Orlando, Florida, Nov. 1996.
20. *Update: Contact Lens Fitting with Corneal Topography*: American Academy of Optometry Cornea and Contact Lens Symposium, Orlando, Florida, Dec. 1996.
21. *Contact Lens Fitting with Corneal Topography*: CLAO Meeting Las Vegas, NV, Jan 1997.
22. *Contact Lens Fitting with Corneal Topography*: Rooney Optical Contact Lens Seminar, Cleveland, OH, Jan. 1997
23. *Contact Lens Fitting with Corneal Topography*: See N' Ski Conference Nevada Optometric Association Lake Tahoe, NV. Feb. 1997.
24. *Contact Lens Fitting with Corneal Topography*: New Hampshire Optometric Association Meeting, Manchester, NH, April 1997.
25. *Contact Lens Fitting with Corneal Topography*: Louisiana Optometric Association, New Orleans, June 1997.
26. *Contact Lenses For Complications Following Corneal Surgery*: See 'n' Ski Conference, Nevada Optometric Association, Lake Tahoe NV, Feb 1997.
27. *Moderator; AOA Contact Lens Section: Therapeutics in the Contact Lens Practice*, Independence, OH, April 1997.
28. *Utility of Corneal Topography in Soft Toric Contact Lens Fitting*, New Technology Seminar, AOA Contact Lens Meeting, San Francisco, September 1997.
29. *Corneal Topography from A to Z*, East-West Eye Conference, Cleveland, October 1997.
30. *Contact Lenses For Complications Following Corneal Surgery*: American Academy of Optometry Meeting, San Antonio, TX 1997.
31. *Update: Contact Lens Fitting with Corneal Topography*: American Academy of Optometry Meeting, San Antonio, TX 1997.
32. *Fitting the Post-PRK Patient: RGP Symposium: Post Refractive Surgery Contact Lens Fitting*. CLAO Annual Meeting 1998, January 1998.
33. *Corneal Topography and Contact Lens Applications*. SnowVision Conference, Whistler, British Columbia, January 1998.

34. *Contact Lenses for Complications Following Refractive Corneal Surgery.* SnowVision Conference, Whistler, British Columbia, January 1998.

35. *Corneal Topography and Contact Lens Applications;* Contact Lens Society of Victoria, Melbourne, Australia, March 1998.

36. *Contact lenses for Complications Following Corneal Surgery.* International American Academy of Optometry Meeting, Sydney, Australia, March 1998.

37. *Corneal Topography; Basics and Advanced Applications.* Emerging Technology Seminar Southern California College of Optometry, April 19, 1998.

38. *Contact Lens Dynamics and Tear Flow.* Moderator: Contact Lens Papers Annual ARVO Meeting, Ft. Lauderdale, FL, May 1998.

39. *Corneal Topography and Contact Lenses: Just the Facts:* AOA Contact Lens Section Meeting, Amelia Island, Florida, Sept 1998.

40. *Contact lenses for Complications Following Corneal Surgery.* AOA Contact Lens Section Meeting, Amelia Island, Florida, Sept 1998.

41. *Continuous Wear Round Table Discussion.* B&L European Research Symposium, Prague, The Czech Republic, Oct. 1998.

42. *Corneal Topography Research Update.* The BobFest, University of California-Berkeley Nov. 1998.

43. *RGP Lenses: From Bi-Curves to Reverse Curves.* Annual Meeting of the American Academy of Optometry, San Francisco, CA, Dec. 1998.

44. *Contact Lens Papers Moderator:* Annual Meeting of the American Academy of Optometry, San Francisco, CA, Dec. 1998.

45. *Women In Optometry Round Table Discussion Moderator.* Annual Meeting of the American Academy of Optometry, San Francisco, CA, Dec. 1998.

46. *Software Enhancements to Corneal Topography:* Heart of America Contact Lens Conference Feb 1999.

47. *Contact lenses for Complications Following Corneal Surgery.* Heart of America Contact Lens Conference Feb 1999.

48. *Physiological Changes With Contact Lenses: How Are New Lenses Better Than Old?* Heart of America Contact Lens Conference Feb 1999.

49. *Top 10 Ways to Fit Toric Contact Lenses:* Heart of America Contact Lens Conference Feb 1999.

50. *Recent Software Enhancements to Corneal Topography: Applications to the Contact Lens Practice and in fitting after Corneal Surgery*: Vision Care Center Seminar; Fresno, CA Feb 19, 1999.
51. *Recent Software Enhancements to Corneal Topography: Applications to the Contact Lens Practice and in fitting after Corneal Surgery*: Washington Association of Optometric Physicians; Seattle, WA, Feb 20, 1999.
52. *Top 10 Ways to Fit Toric Contact Lenses; Corneal Topography Basics; Complications After Corneal Surgery; Physiological Changes With Contact Lenses*; 6 Hours Continuing Education, Vision Expo East, New York, NY, March 1999.
53. *Contact Lens Correction Following Corneal Surgery*. Florida Chapter of the American Academy of Optometry, Howey-In-the Hills, Fla. May 1999.
54. *Advancing Your Practice With Continuous Wear; Instrumentation Panel; Specialty Fitting Contact Lens Panel; Corneal Topography Basics*. 7 Hours Continuing Education, EyeQuest Conference, Chicago, Ill. May 1999.
55. *RGP Lenses After Refractive Surgery; Corneal Topography In The Modern Optometric Practice*; American Optometric Association Annual Congress; San Antonio, TX, June 1999.
56. *Contact Lens Correction Following Corneal Surgery; Physiological Changes With Contact Lenses: How Are New Lenses Better Than Old?* Opticians Association of Ohio, Cleveland Division. Hudson, OH, Oct. 1999.
57. *Contact Lenses and Corneal Health*, Ellerbrock Education, American Academy of Optometry, Seattle, WA Dec 1999.
58. *Soft Torics and Topography Breakfast Seminar*, Contact Lenses After LASIK; American Academy of Optometry, Seattle, WA Dec 1999.
59. 9th Annual Precision Contact Lens Symposium. Various Contact Lens Topics, Tel Aviv, Israel, Jan 2000.
60. Ocular SkiSis Optometric Conference, Various Contact Lens Topics. Aspen Colorado, Feb 2000.
61. *Corneal Topography In The Modern Optometric Practice*. Armed Forces Optometric Society, SECO, Atlanta, GA Feb 2000.
62. NOVA Southeastern Optometry School, Topography, Ft. Lauderdale, Fla. March 2000
63. *Corneal Topography, Understanding the Maps*. Opticians Seminar, Fairview Hospital Cleveland Ohio, March 19, 2000.
64. *Contact Lenses and Corneal Health; Corneal Topography, Understanding the Maps*. Suncoast Seminar Clearwater Beach, Fla, May 2000.

65. *Top 10 Ways to Fit Toric Contact Lenses; Contact Lenses and Corneal Health; Corneal Topography in the Contact Lens Practice*; EyeQuest Seminar Chicago ILL, May 2000.
66. *Post-surgical Contact Lens Fitting, Keratoconus and Highlights from the CLEK Study, RGP Lenses from Bi-Curves to Reverse Curves*. Annual AOA Congress, Las Vegas, NV. June 2000.
67. *Post-surgical Contact Lens Fitting, Corneal Topography, Contact Lenses and Corneal Health*. Mountain West Council of Optometrists, Vail, CO, July 2000.
68. CLAO Regional Ophthalmology Resident's Seminar, Columbus, OH, Sept. 2000.
69. *Post-surgical Contact Lens Fitting*, RGPLI Lab Consultant's Seminar, Columbus, OH. Sept. 2000.
70. *Top 10 Ways to Fit Toric Contact Lenses; Contact Lenses and Corneal Health*. Michigan Optometric Association. Lansing, MI. Oct. 2000.
71. *Post-surgical Contact Lens Fitting*, Southern California College of Optometry Fall RGP Symposium, Fullerton, CA, Nov 2000.
72. George Nissel Memorial Lecture, *Corneal Topography, Clinical Research Review*. London, England, Nov 2000.
73. *Corneal Topography, Clinical Research Review*, Glasgow, Scotland. Nov, 2000.
74. *Corneal Topography In the Modern Optometric Practice*. Annual AAO Meeting, Orlando, Fla. Dec. 2000.
75. Ocular Skisis Seminar: *Contact Lens Risks and Benefits, Corneal Topography, Astigmatism and Toric Lenses*, Telluride CO, Jan 2001.
76. *Corneal Topography, Clinical Research Review*; Texas Optometric Association Annual Meeting, Austin, TX, Feb 17, 2001.
77. *Astigmatism, Torics, and Topography*. SECO International Conference, Atlanta, GA, Feb 23, 2001.
78. Maryland Optometric Association Annual Conference: *CLEK Highlights, Post-Surgical Contact Lenses; Myopia Management, Reverse Geometry Lenses*, Baltimore, MD, March 3-4, 2001.
79. California Optometric Association Spring Optica, *Astigmatism, Torics, and Topography; Contact Lens Risks and Benefits, Corneal Topography In the Modern Optometric Practice*. Oakland, CA. March 18, 2001.
80. Mountain West Council of Optometrists Annual Meeting. *Astigmatism, Torics, and*

Topography; Contact Lens Risks and Benefits, Corneal Topography In the Modern Optometric Practice, CLEK Highlights, Post-surgical Contact Lens Fitting. Las Vegas, NV, May 5-6, 2001.

81. *Post-surgical Contact Lens Fitting*, RGPLI Residents Seminar, Columbus, OH. Aug. 2001.

82. RGPLI Chat Session Host: RGP Management of the Irregular Cornea. Sept 2001.

83. *Clinical Applications of Corneal Topography*. International Symposium on the Eye and Vision. Quebec City, Canada. Sept 2001.

84. Vision For Tomorrow, Illinois Optometric Association Convention. *Contact Lenses and Corneal Health, Corneal Topography In the Modern Optometric Practice, Post-surgical Contact Lens Fitting.* October 2001.

85. *Corneal Topography for technicians, and Extended Wear Contact Lenses Roundtable*. East West Eye Conference, Cleveland, OH, Oct 26-27, 2001.

86. Massachusetts Society of Optometrists, *Corneal Topography and Irregular Corneas, Extended Wear Contact Lenses*. Nov 4, 2001. Westborough, Mass.

87. American Academy of Optometry Annual Meeting. *Pediatric Contact Lenses for the First Decade of Life*. Dec. 6, 2001, Philadelphia, Penn.

88. American Academy of Optometry Annual Meeting. *Specialty Contact Lenses After LASIK*. Dec. 7, 2001, Philadelphia, Penn.

89. Moderator, Contact Lens Papers. American Academy of Optometry Annual Meeting. Dec. 10, 2001, Philadelphia, Penn.

90. SnowVision Conference: *Pediatric Contact Lenses, Continuous Wear Contact Lenses, Corneal Topography*. Park City, Utah, Jan. 2002.

91. Vision Expo East: *RGP Lenses from Bi-Curves to Reverse Curves, Specialty Contact Lens Fitting After Corneal Surgery*, New York, New York, March 2002.

92. Scottish Contact Lens Society: *Continuous Wear Contact Lens Complications; Top 10 Ways to Fit Astigmatic Contact Lenses*. March 2002, Edinburgh, Scotland.

93. New England College of Optometry, Visiting Lecture: *Contact Lenses for Complications Following Corneal Surgery*. April 2002, Boston, MA.

94. *Pediatric Contact Lenses and Topography and Specialty RGP Lenses*. AOA Annual Congress, New Orleans, June 2002.

95. *Pediatric Contact Lenses for the First Decade of Life*. Rooney Optical Seminar, Chesterland, Ohio August, 2002.

96. *Contact Lenses and Corneal Health; How are new Lenses Better than Old? Contact Lenses for Complications Following Corneal Surgery; Top 10 ways to Fit Toric Contact Lenses.* OptoEast Conference. Oct 12-13, 2002, Atlantic City, NJ.
97. *Specialty Contact Lenses After LASIK; Corneal Topography.* East West Eye Conference, Cleveland, Ohio. Oct 31-Nov 2, 2002.
98. *Contact Lenses and Corneal Health; How are new Lenses Better than Old?; Contact Lenses for Complications Following Corneal Surgery.* California Optometric Association Fall Meeting, Monterey, CA, Nov 9, 2002.
99. *Contact Lenses and Corneal Health; How are new Lenses Better than Old?; Moderator, Cornea and Contact Lens Section Papers; American Academy of Optometry Annual Meeting, San Diego, CA, Dec. 2002.*
100. *Pediatric Contact Lens Fitting, Contact Lenses and Corneal Health, Measuring the Normal and Abnormal Cornea: Contact Lens and Eye Care Symposium (CLES),* Orlando, FL, Jan 2003.
101. *Presbyopia and Contact Lenses, Measuring the Normal and Abnormal Cornea, Pediatric Contact Lenses, Top 10 Ways to Fit Toric Contact Lenses.* Update 2003: Cornea, Contact Lens and Optical Dispensing Bi-annual Update. Keeneland Health Education Center, Lexington, Kentucky, March 2003.
102. *Specialty Contact Lenses After LASIK, Pediatric Contact Lens Fitting, Measuring the Normal and Abnormal Cornea.* ProCare Vision Center Conference. Dublin, Ohio, April, 2003.
103. *Post-Surgical Contact Lens Fitting.* The Ohio State University, Visiting Lecturer. June 2003.
104. *Specialty Contact Lenses After LASIK: Rooney Optical Seminar, Fowler's Mill, Chesterland, OH.* June 30, 2003.
105. *Specialty Contact Lenses After LASIK.* Optometric Refractive Surgery Society. Akron OH, August 1, 2003.
106. *Hyper Dk Contact Lenses, Finding the Balance.* Centre de Perfectionist de Optometrist. Montreal, Canada. Oct 4, 2003.
107. *Corneal Specialist Panel, Mapping the Normal and Abnormal Cornea, Pediatric Contact Lenses for the First Decade of Life.* East West Eye Conference, Cleveland, Ohio, Oct 23-26, 2003.
108. *Pathophysiology of Dry Eye Disease,* Allergan CORE Lecture, Westlake, OHIO Nov. 2003.
109. *Silicone Hydrogel Lenses in Clinical Practice,* Ciba Vision Luncheon, Annual Meeting of the American Academy of Optometry, Dallas, Tx, Dec. 2003.

110. Annual Meeting of the American Academy of Optometry, . Moderator: Papers: Orthokeratology and Extended Wear; *Pediatric Contact Lenses: Fit Them and They will See*, (With Louise Sclafani, OD),.Dallas, Tx, Dec. 2003.
111. *Corneal Topography and Therapeutic Contact Lenses (with Tim McMahon OD), Pediatric Contact Lenses (With Louise Sclafani, OD), Current and Future Technologies in Continuous Wear*. Contact Lens and Eye Care Symposium (CLES), Orlando, Fla, Jan 2004.
112. *Measuring the Normal and Abnormal Cornea, Contact Lenses After LASIK, Keratoconus and Highlights from the CLEK Study*. SkiVision Conference, Snowmass, Colorado, Feb. 2004.
113. *Bandage Contact Lenses*: Ciba Vision Regional Silicone Hydrogel Lecture Series; Los Angeles, CA, Feb 2004.
114. *Pediatric Contact Lenses*. East West Eye Conference, Cleveland OH. Oct 2004.
115. *RGP Lenses From Bi-Curves to Reverse Curves*; Corneal Topography for OD's. Southern California College of Optometry, Nov. 2004.
116. *Silicone Hydrogel Lenses: They're Not Just for Extended Wear Anymore; Clinical Pearls for Specialty Designed RGPs; Clinical Case Reports*; PCON Meeting, New York, Nov 2004.
117. *Pediatric Contact Lenses; Corneal Topography: Measuring the Normal and Abnormal Cornea, Turning Cones into Spheres*; Contact Lens and Eye Care Symposium (CLES), San Diego, CA, Jan 2005.
118. *Contact Lenses For the First Decade of Life, Fitting Dry and Tired Eyes, Finding the Balance with Continuous Wear*. SkiVision Conference, Snowmass, Colorado, Feb. 2005.
119. *Fitting the At Risk Patient (with Donald Doughman MD), Pediatric Contact Lenses*, VisionExpo East, NY, March 2005.
120. *Silicone Hydrogel Lenses, Novel Contact Lens Solutions, Contact Lenses for Complications Following Corneal Surgery*. MountainWest Council of Optometrists, Las Vegas, NV, May 2005.
121. *Keratoconus and Fitting Post Surgical Contact Lenses*: RGLPI Residents Weekend, Columbus Ohio, August 2005.
122. *Fitting the At Risk Patient (with Donald Doughman MD)*, VisionExpo West, Sept. 2005.
123. *Silicone Hydrogel Lenses, Novel Contact Lens Solutions*. Illinois Optometric Association Annual Meeting, Chicago, IL Sept. 2005.

124. *Contact Lens Roundtable, Tinted Contact Lenses, Friend or Foe?* (with Tim Steineman MD) EastWest Eye Conference, Oct 2005.
125. *Unusual Contact Lens Cases from a University Based Practice Setting:* Vision Expo East, NY, NY, March 2006.
126. *Rapid Fire Anterior Segment Update:* American Optometric Association Annual Meeting, Las Vegas, June 2006.
127. *Corneal Topography for Enhancing Specialty Rigid Lens Fitting:* American Optometric Association Annual Meeting, Las Vegas, June 2006.
128. *Protecting Your Patients Ocular Health; and Contact Lens Roundtable:* EastWest Eye Conference, Cleveland, OH, Oct. 2006.
129. *De-mystifying Silicone Hydrogel Lens Relationships:* University of Houston College of Optometry Continuing Education Series, Houston, TX, Dec 2006.
130. *Corneal Infiltrates: From Tissue to Treatment:* American Academy of Optometry Annual Meeting, Denver, CO; December 2006.
131. *Fitting Contact Lenses after Keratoplasty;* Global Keratoconus Congress; Las Vegas, NV, Jan. 2007.
132. *Post-Surgical Contact Lens Fitting:* University of Missouri-St. Louis School of Optometry. March 2007.
133. *Post-Surgical Contact Lens Fitting:* RGLPI Residents Weekend, Columbus Ohio, August 2007.
134. *Corneal Infiltrates: From Tissue to Treatment:* EastWest Eye Conference, Cleveland, OH, Oct. 2007.
135. *Post-Surgical Contact Lens Fitting:* EastWest Eye Conference, Cleveland, OH, Oct. 2007.
136. *De-mystifying Silicone Hydrogel Lens Relationships.* EastWest Eye Conference, Cleveland, OH, Oct. 2007.
137. *Genetics of Keratoconus.* Global Keratoconus Congress. Las Vegas, NV. Jan 24th, 2008.
138. *Complex Contact Lens Fitting for Post Surgical and Corneal Disease.* Indiana Eye Consultants Seminar, Indianapolis, Indiana, Feb. 20, 2008.
139. *Update on Silicone Hydrogel Lenses and Corneal Infiltrates:* British Contact Lens Association. Birmingham, England. May 2008.
140. *Its all in the modality.* British Contact Lens Association. Birmingham, England. May 2008.

141. *Biocompatible Polymers for All Shapes and Sizes*. British Contact Lens Association. Birmingham, England. May 2008.
142. *Corneal Infiltrates: Tissue to Treatment*. Vision Source Optometric Group. Cleveland Ohio. July 2008.
143. Round Table Discussion. *New Contact Lens Research*. East-West Eye Conference. Cleveland Ohio. October 2008.
144. *Update on Corneal Infiltrates and Contact Lenses*. Alcon Educators Meeting. Fort Worth, TX, Jan 8, 2009.
145. *A Systematic Approach to Fitting the Irregular Cornea*. Global Specialty Lens Symposium. Las Vegas, January 26, 2009.
146. *Contact Lens Biofilms and Methods of Prevention*. Canadian Optometric Association, Prince Edward Island, Canada. July 2009.
147. *Contact Lens Biofilms and Methods of Prevention*. CLAO Annual Meeting; Montreal, Canada, Sept. 2009.
148. *Epidemiology of Contact Lens Complications*. CLAO Annual Meeting; Montreal, Canada, Sept. 2009.
149. *FDA Takes Action: Raising the Bar on Solution Efficacy*. American Academy of Optometry Annual Meeting, Orlando, Fla. Nov 2009.
150. *Genetics of Anterior Segment Disease: Keratoconus*. American Academy of Optometry Annual Meeting, Orlando, Fla. Nov 2009.
151. *Contact Lens Complications*. American Optometric Association Annual Meeting, Washington DC, June 2009.
152. *Roundtable Discussion: Contact Lens Research*. Ohio Optometric Association East West Eye Conference. Oct. 2009.
153. *Optimizing Contact Lens Designs for the Irregular Cornea; Specialty Lens Options for the Irregular Cornea, Moderator: Tinted Lens Panel, Bacteria & Biofilms – association with corneal infiltrative events and methods of prevention*. Global Specialty Lens Symposium, Jan 2010, Las Vegas, NV.
154. *Epidemiology of microbial and Infiltrative Keratitis, Bacteria & Biofilms – association with corneal infiltrative events and methods of prevention*. Netherlands Contact Lens Congress, March 2010, Eindhoven, Holland.
155. *The Longitudinal Analysis of Silicone Hydrogel Contact Lens Study*. Visiting lecturer at The Ohio State University College of Optometry, March 2010, Columbus, OH.

156. *Genetics of Keratoconus*. New England College of Optometry, Boston, MA. April 2010.
157. *Genetics of Keratoconus, Corneal Infiltrates, from Tissue to Treatment*; Colorado Optometric Association Annual Meeting Steamboat Springs, Colorado, July 18, 2010.
158. *Epidemiology of Infiltrative Keratitis, Genetics of Keratoconus, Fitting Post-Surgical Contact Lenses, Risk Factors for Infiltrative Keratitis*; International Contact Lens Congress, Sydney, Australia, October 9-11, 2010.
159. *Ezell Presents: Lessons Learned from the LASH Study*. American Academy of Optometry Annual Meeting, San Francisco, CA, November 19, 2010.
160. *Corneal Infiltrates, From Tissue to Treatment*: World Congress of Optometry, San Juan, Puerto Rico, April 17, 2011.
161. *Contact Lens 1*. Poster Session Moderator. ARVO 2011 Annual Meeting, May 2011. Ft. Lauderdale. Fla.
162. *Review of Contact Lens Case Contamination*: International Society of Contact Lens Research, Napa Vally, CA, August 2011.
163. *OVS Presents: Biofilms, Biodeposits and Bioburden*. American Academy of Optometry Annual Meeting, Boston, MA, Oct 2011.
164. *Contact Lens Safety Net, Expert Answers to Commonly Asked Questions*. American Academy of Optometry Annual Meeting, Boston, MA, Oct 2011.
165. *Moderator: History and Evolution of Contact Lens Care*: Global Contact Lens Care Summit; Seattle WA, Nov 2011.
166. *Contact Lenses and Corneal Infiltrates*: Nathaniel Springer Memorial Lecturer, UAB College of Optometry. Birmingham, AL. March 2012.
167. *Epidemiology of Corneal Infiltrates with Current Contact Lens Use Patterns*. American Optometric Contact Lens Educator Conference. Bloomington, Indiana. June 2012.
168. *CE at Sea Conference. Contact Lens Care and Controversies*. 12 CE hours. Baltic Sea. June 2012.
169. *Genetics of Keratoconus, Corneal Infiltrates, from Tissue to Treatment, Conundrums in Contact Lens Care*. Vision Expo West Conference. Las Vegas, NV. Sept 2012.
170. *Contact Lens Expert Care Panel*. Global Specialty Lens Symposium. Las Vegas, NV. January 2013.

171. *Genetics of Keratoconus, Corneal Infiltrates, from Tissue to Treatment, Conundrums in Contact Lens Care; Post-Surgical Contact Lens Fitting.* California Optometric Association Meeting. Indian Wells, CA. April 2013.

172. *Genetics of Keratoconus, Corneal Infiltrates, from Tissue to Treatment, Conundrums in Contact Lens Care; Post-Surgical Contact Lens Fitting.* Virginia Optometric Association Meeting. Wintergreen, VA. June 2013.

173. *Keratoconus and Crosslinking; Contact Lens Roundtables..* East West Eye Conference. Cleveland, OH. October 2013.

174. *Post-Surgical Contact Lens Fitting.* Gas Permeable Lens Institute. Webinar. September 2013.

175. *Post-Surgical Contact Lens Fitting Diplomate Review Course.* American Academy of Optometry Annual Meeting. Seattle, WA. October 2013.

176. *Corneal Transplant Panel: Update on Donor Tissue Studies.* American Academy of Optometry Annual Meeting. Seattle, WA. October 2013.

177. *Scleral Lens Trouble Shooting and Contact Lens Expert Care Panel.* Global Specialty Lens Symposium. Las Vegas, NV. January 2014.

178. *Genetics of Keratoconus, Fitting Large Diameter Lenses, Corneal Infiltrates, from Tissue to Treatment, Post-Surgical Contact Lens Fitting.* Ohio Vision Foundation. Boardman, Ohio. March 2014.

179. *Contact Lens Roundtable:* East West Eye Conference, October 2014.

180. *Lamellar Corneal Surgery and Contact Lens Fitting: Diplomate Preparatory Course,* AAO Annual Meeting November 2014.

181. *British Contact Lens Association (BCLA) Keynote Address: Ongoing Search for Risk Factors for Contact Lens Related Inflammatory Events.* BCLA Meeting; Liverpool, England. May 2015.

182. *Fitting Contact Lenses after Lamellar Corneal Surgery:* British Contact Lens Association (BCLA). Meeting; Liverpool, England. May 2015.

183. *Donald Korb Award Lecture, From Corneal Infiltration to Implantation.* American Optometric Association (AOA) Annual Meeting. Seattle, WA. June 2015.

184. *Solving the Puzzle of Keratoconus:* American Optometric Association (AOA) Annual Meeting. Seattle, WA. June 2015.

185. *East West Eye Conference. Endothelial Considerations in Keratoplasty; Effect on Contact Lens Fitting.* October 2016, Cleveland, Ohio.

186. *CLAO Regional Seminars. Contact Lens Fitting and Keratoplasty.* Independence, Ohio. 2016.

187. Vision Expo East. Research and my Contact Lens Practice. NY, NY. March 2016.
188. Microbial Keratitis and Contact Lenses. American Academy of Ophthalmology and American Academy of Optometry Joint Programs. Chicago and Anaheim 2016.
189. Global Specialty Lens Symposium: Irregular Cornea Grand Rounds, Endothelial Considerations in Corneal Transplants and Contact Lens Fitting. Las Vegas, NV, 2017.
190. Compliance: Will it Reduce Contact Lens Inflammation? International Society of Contact Lens Research. Washington State. August 2017.
191. Contact Lens Fitting For Corneal Transplants. American Academy of Optometry Diplomate Preparatory Course. Chicago. October 2017.
192. Ocular Surface Disease, A Multidisciplinary Approach. Moderator. American Academy of Optometry Diplomate Preparatory Course. Chicago. October 2017.
193. Cleveland Ophthalmological Society. Correction of the Irregular Cornea with Contact Lenses. Independence, Ohio December 2017.
194. Minnesota Optometric Association: Minneapolis, MN. Results of The Dry Eye Assessment and Management Study; Corneal Infiltrates, From Tissue to Treatment, and Irregular Cornea Contact Lens Fitting. September 2018.
195. Omegas and Dry Eye. Results of the DREAM Study. East West Eye Conference October 2018.
196. Omegas and Dry Eye. Results of the DREAM Study. American Academy of Optometry Annual Meeting. San Antonio, Texas. November 2018.
197. Visiting Professor; Vision Research Seminar Series; Results of the Cornea Preservation Time Study and Corneal Infiltrates, Influence of Mucin Balls. The University Of Waterloo College of Optometry. Waterloo, Canada. November 2018.
198. Opening Session Panel on Fitting the Irregular Cornea; and Results of the Cornea Preservation Time Study. Global Specialty Lens Symposium, Las Vegas, NV, Jan 2019.
199. Dry Eye Panel Moderator; Contact Lens Roundtable Instructor, Keratoconus Genetics and Early Diagnosis and Treatment (with John Gelles OD and William Dupps MD Co-Instructors) East West Eye Conference Cleveland, Ohio. Oct. 2019).
200. Keratoconus Genetics and Early Detection (with John Gelles); American Academy of Optometry Annual Meeting at Home. October 2020
201. Zenlens Update: B&L Specialty Vision Products. December 2020.
202. Contact Lens Disinfection in the Age of ISO and COVID 19 (with Louise Sclafani). Specialty CL Summit. May 2021.

203. Contact Lens Disinfection in the Age of ISO and COVID 19: World Council of Ophthalmology. May 2021.

204. ARVO SIG: DREAM: What we have learned from this RCT on dry eye disease? May 10, 2022. Co-Presenters Rony Sayegh, Vatinee Bunya, Reza Dana, Meng Lin, Sandeep Jain, Penny Asbell; My presentation: *Which dry eye signs & symptoms are associated with visual acuity & contrast sensitivity?*

205. 37th Annual Morgan-Sarver Symposium, April 22- 24, 2022, UC Berkely School of Optometry. Corneal Transplants: New Insights from NIH Trials. April 22, 2022.

206. AAO2AAO Symposium; The Lifecycle of Keratoconus: from Diagnosis to Treatment and Lifetime Management 2022 AAO2AAO Symposium; Moderator with Mark Kontos MD. Co-presenters: Andrew Morgenstern, Christine Sindt, Kendall Donaldson, Chris Blanton. My Presentation: Post-surgical considerations. American Academy of Ophthalmology Annual Meeting Chicago IL, Oct 1, 2022.

207. AAO2AAO Symposium; The Lifecycle of Keratoconus: from Diagnosis to Treatment and Lifetime Management 2022 AAO2AAO Symposium; Moderator with Mark Kontos MD. Co-presenters: Andrew Morgenstern, Christine Sindt, Kendall Donaldson, Chris Blanton. My Presentation: Post-surgical considerations. American Academy of Optometry Annual Meeting San Diego, CA, Oct 27, 2022.

208. East West Eye Conference; Contact Lens Roundtable, Topic Corneal Transplants. Oct 2022. Columbus, Ohio.

209. International Keratoconus Academy (IKA) Webinar: Corneal Transplants: New Insights from NIH Trials; January 4, 2023.

210. International Keratoconus Academy Annual Meeting, Scottsdale Arizona April 2023
Epidemiology post surgical considerations in KC.

211. Schnurmacher Institute For Vision Research (SIVR) Colloquium Series at SUNY Optometry. Invited Professor. Corneal Transplantation: Insights from NIH Trials. June 6, 2023. SUNY College of Optometry, New York ,New York.

212. East West Eye Conference; Contact Lens Roundtable, Keratoconus and CLEK over 20 years. Oct 2023. Columbus, Ohio.

213. Collaborative Longitudinal Evaluation of Keratoconus (CLEK) Study at 20: How Optometry's First NEI/NIH Multicenter Observational Study Impacts our Keratoconus Practice Today. With Karla Zadnik, Susan Gromacki, and Louise Sclafani. Annual American Academy of Optometry Annual Meeting. Oct 2023, New Orleans, LA.

214. Clinical and Research Interests on the Corneal Endothelium: From Swelling to Surgery and Back Again. Richard and Leonora Lecturer on Frontier in Vision Research, The Ohio State University. Feb 2024.

215. The Great Debate; GPs vs Soft Lenses. GSLS Symposium, with Edward Bennett and Nathan Efron. GSLS Meeting Jan 2024, Las Vegas, NV.

216. Keratoconus Then and Now. GSLS Symposium. GSLS Meeting Jan 2024, Las Vegas, NV.

217. Genetic Prediction in Keratoconus: International Keratoconus Academy Meeting. May 2024, Bethesda, MD.

218. Program Chair and Moderator: ODs on Specialty Contact Lenses, Webinar; June 2024.

219. Panelist: American Academy of Optometry Section on Cornea, Contact Lenses and Refractive Technologies Symposium: Ophthalmic and Cornea Genetics, November 2024, Indianapolis, Indiana.

220. Gas Permeable Lens Institute Webinar: Post-surgical Fitting: Know When to Hold 'em; Know When to Fold 'em, Feb 2025.

221. Global Specialty Lens Symposium: Moderator: Neurotrophic Keratitis Panel, Las Vegas, NV Jan 2025

222. Contact Lens Associated Microbial Keratitis and Corneal Infiltrates: Impact of materials, compliance and/or genetics? Optometry and Vision Department Complutense University of Madrid, Spain, Feb 2025

223. ARVO Special Interest group: Controversies in Dry Eye Disease (DED): Myth busting with DREAM data, Panelist and Presenter; Patient Reported Outcomes in the DREAM Study (June 10, 2025)

224. Case Series of Specialty Optics with SynergEyes VS Scleral Lenses; CooperVision Elite Summit, San Jose, Costa Rica, June 2025.

225. Managing the Corneal Endothelium in Keratoconus. International Keratoconus Symposium, Bethesda, MD. Sept. 6, 2025.

226. The Corneal Endothelium from Swelling to Surgery and Back Again. Max Shapero Memorial Lecture, Section on Cornea, Contact Lenses and Refractive Technologies of the American Academy of Optometry. Boston, MA. Oct 8, 2025.

ABSTRACTS

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40. Jennifer DePry, Jennifer Brescoll, **Loretta Szczotka-Flynn**, Pranita Rambhatla, Henry W. Lim, Kevin Cooper, MD. Phototherapy Related Ophthalmologic Disorders. Clinics in Dermatology. 2014.
41. **Szczotka-Flynn LB** and Efron N. Aftercare of the Contact Lens Patient 3rd Edition. Current Contact Lens Practice. N. Efron (Ed); Butterworth-Heinemann Pub. 2016.
42. **Szczotka-Flynn L**, Bennett E, Kaufman M. Keratoconus. Clinical Manual Of Contact Lenses (5th Edition) (Ed: Edward S. Bennett and Vinita Allee Henry) Lippincott Williams & Wilkins. 2019.
43. Austin Yu, Becky Su, **Loretta Szczotka-Flynn**. in Keratoconus 2023. A comprehensive Guide to the Modern Management of Keratoconus. eResource part of The Keratoconus Education Initiative by Jobson Medical Information.
44. **Szczotka-Flynn L.** In Office Disinfection in Specialty Contact Lenses; (Ed. Daddi Fadel & Melissa Barnett) Elsevier, Sept 2024.

LISTING OF GRANT SUPPORT SINCE 1992**CURRENT SUPPORT:****PRINCIPAL INVESTIGATOR*****FEDERAL:***

- 2021-2026 MPI and Director Coordinating Center EY030039: National Eye Institute sponsored Diabetes Endothelial Keratoplasty Study (DEKS): Impact of Diabetes on Corneal Transplant Success and Cell Loss. 30% effort.
- 2025-2030 MPI and Director Coordinating Center: National Eye Institute sponsored Diabetes Endothelial Keratoplasty Study (DEKS) Extension: Impact of Diabetes on Corneal Transplant Success and Cell Loss. 30% effort.

NON-FEDERAL:

- 2020-2027 Director Coordinating Center: Vision Therapy for Intermittent Exotropia Study (PI A.Chen, MBKU), Prime Sponsor American Academy of Optometry, 2.5% effort
- 2020-2026 Director Coordinating Center: Neurosensory Abnormalities in SymptomAtic Ocular Surface Patients (NASA) Study (PI P. Hamrah, Tufts); Prime Sponsor Tufts University and CooperVision, 2.5% effort
- 2022-2026 LenTechs 201, 301 Multifocal Soft Contact Lens Protocol Chair, 5% effort
- 2024-2025 2024 CWRU-UH Collaborative Science Pilot Award; A Genetic Risk Aid for Early Keratoconus Detection, MPI with Sudha Iyengar PhD

CO-INVESTIGATOR***FEDERAL:***

- 2024-2027 Department of Defense Vision Clinical Trial Award. Ex Vivo Corneal Crosslinking for Vascularized High-Risk Keratoplasty (ExCrossV). PI, Joseph Ciolino MD. Co-investigator 5% effort
- 2026-2028 Self-Monitoring OCT. (PI Warren Sobol MD) 5% Effort

NON-FEDERAL:

- 2022-2026 A phase III, randomized, double-masked, placebo-controlled, parallel-group, multicenter study of the safety and efficacy of OT-101 (Atropine Sulfate 0.01%) in treating the progression of myopia in pediatric subjects (PI Adam Peiffer)

PAST SUPPORTPRINCIPAL INVESTIGATOR*FEDERAL:*

- 1994 -2004 Primary Investigator CWRU Clinical Site: Collaborative Longitudinal Investigation of Keratoconus (CLEK) Study; NIH/NEI Grant #s UIO EY10410, EY10069, EY10077, 5% effort
- 1996-1999 Chair; CLEK Topography Analysis Group (TAG), UIO EY10410
- 1998-00 Principal Investigator CWRU Site: National Eye Institute Refractive Error Correction Questionnaire (NEI-RECQ) Phase II Study; The EMMES Corporation Contract #N01-EY-6-2112, 5% effort
- 1998-99 Principal Investigator CWRU Site: CLEK PiggyBack Feasibility Study NIH/NEI Grant #s: UIO EY10410, EY10069, EY10077, 5% effort
- 2004-10 NEI K23 EY015270-01 Longitudinal Analysis of Silicone Hydrogel (LASH) Contact Lens Study. Primary Investigator. Mentored Patient-Oriented Research Career Development Award. 75% effort
- 2015-2017 Principal Investigator: CWRU Site: Dry Eye Evaluation and Management Study (DREAM); PI: Penny Asbell MD. National Eye Institute/NIH Grants U10 EY022881 and U10 EY022879. 5% effort
- 2018 Multiple PI with Sudha Iyengar PhD: National Eye Institute 1R21EY029445-01A1; Genetic Susceptibility to Contact Lens Induced Microbial Keratitis. 5% effort

NON-FEDERAL:

- 1993 Primary Investigator UHC Clinical Site, Ocutech Corporation. Novalens Perception Study
- 1994 Primary Investigator UHC Clinical Site, Ocutech Corporation. Novalens Perception Study
- 1995 Primary Investigator UHC Clinical Site, Ocutech Corporation. Novalens Perception Study
- 1995 - 96 Primary Investigator UHC Site: EyeSys Technologies, Beta Software Investigator
- 1996-97 Primary Investigator UHC Site: Ciba Vision Silicone Hydrogel Clinical Trial

1998-99	Principal Investigator: Corneal Topography for Soft Toric Contact Lens Fitting. Sponsors: CooperVision, Inc, EyeSys Premier Humphrey Systems
1999-00	Principal Investigator UHC Site: Ciba Vision SEE3 Multicenter 30 Day Extended Wear Contact Lens Clinical Trial
1999-00	Principal Investigator UHC Site: Bausch & Lomb RD677 30 day Extended Wear Contact Lens Clinical Trial
1999-01	Principal Investigator UHC Site: Menicon Z 30 Day Extended Wear Contact Lens Clinical Trial
2000-02	Principal Investigator. Phase II Soft Toric Lenses and Topography Prospective Fitting Trial, CooperVision Inc. 10% effort.
2000-01	Principal Investigator UHC Site. Frequency Multifocal Study, CooperVision, Inc.
2000	Principal Investigator UHC Site. Ocular Sciences Soft Toric Study
2001-02	Principal Investigator UHC Site. Allergan Inc. Complete Upgrade C Sponsored Clinical Trial.
2003	Principal Investigator UHC Site. AMO Sponsored Rewetting Drop Clinical Trial.
2003-04	Principal Investigator UHC Site. Vistakon Sponsored Silicone Hydrogel Clinical Trial.
2004-05	Principal Investigator UHC Site: Quarter Lambda Technologies Hybrid Lens Clinical Trial for Keratoconus
2004-06	Principal Investigator UHC Site: Quarter Lambda Technologies Hybrid Lens Clinical Trial for Post Surgical Eyes and Trauma
2004-06	Principal Investigator UHC Site. AMO Sponsored Solution Study
2006	Principal Investigator UHC Site: Clinical Evaluation of Biofinity Silicone Hydrogel Contact Lenses
2006-07	Principal Investigator UHC Site: VISTAKON (senofilcon A) Contact Lens Material Retrospective Bandage Lens Usage Study
2007	Principal Investigator: Menicon Z Therapeutic Lens Indication Study. Sponsor: Menicon Co., Ltd.
2008	Principal Investigator UHC Site: Clinical Evaluation of Avaira Silicone Hydrogel Contact Lenses
2007-8	Principal Investigator: Role of Bacterial Biofilms in Infiltrative

Keratitis. CLAO Educational and Research Foundation.

- 2009-2010 Principal Investigator: Contact Lens Biofilms and their Prevention, Prevent Blindness America.
- 2009 Principal Investigator, Microbial Contamination of Contact Lenses Literature Review; Vistakon.
- 2009-2013 Principal Investigator: Daily Wear Corneal Infiltrative Event Study: Sponsor Alcon Laboratories
- 2012 Site Principal Investigator: TEMPO Study; Sponsor: Johnson & Johnson Vision Care, Vistakon.
- 2012 Principal Investigator: Senofilcon A as a Therapeutic Lens Study; Sponsor: Johnson & Johnson Vision Care.
- 2013 Principal Investigator: Microbiome Analysis in the Daily Wear Corneal Infiltrative Event Study: Sponsor Alcon Laboratories
- 2014 Principal Investigator, UHCMC Site. A Non-Dispensing Fit Evaluation of etafilcon A Investigational Limbal Ring Contact Lenses with polyvinylpyrrolidone (PVP) in an Asian Population.
- 2014 Principal Investigator, UHCMC Site. MIRU Daily Disposable Lens Study. Sponsor Menicon.
- 2014 Principal Investigator, UHCMC Site. Evaluation of New Limbal Ring Prototypes.
- 2014-15 Principal Investigator; Daily Wear Central Corneal Swelling with etafilcon A and 2 silicone hydrogel materials; Sponsor: Johnson & Johnson Vision Care.
- 2010-2011 Principal Investigator: Uncovering the Role of Mucins in Contact Lens Induced Corneal Infiltrates, co-I Ilene Gipson, PhD, Schepens Eye Research Institute, sponsor American Optometric Foundation
- 2011-2014 Principal Investigator: A Prospective, Randomized, Open Label Clinical Trial on the Association Between Mucin Balls and the Development of Corneal Infiltrative Events during Extended Wear With Silicone Hydrogel Contact Lenses; Multicenter Study, Sponsor: Johnson & Johnson Vision Care.
- 2016 Piggyback Corneal Swelling Study. PI. Sponsor: Johnson & Johnson Vision Care.
- 2017 CWRU Site PI: Genetic Susceptibility to Keratoconus. PI Yaron Rabinowitz MD. Cedars Sinai, Los Angeles, CA.

- 2017 Principal Investigator: UHCMC Site: Air Optix Hydraglyde. Alcon Laboratories.
- 2018-2020 Principal Investigator: Genetic Predisposition to Contact Lens Microbial Keratitis. Alcon Laboratories.
- 2018-19 Association Between Endothelial Cell Density and Corneal Swelling in Post-Penetrating Keratoplasty Scleral Contact Lens Wear; Research to Prevent Blindness
- 2019 Principal Investigator: Modeling Corneal Endothelial Cell Health Parameters as Predictors of Keratoplasty Stress, Allergan Foundation Grant and American Academy of Optometry Foundation
- 2020 Investigational Soft Contact Lens Clinical Trial. Alcon Laboratories.
- 2021 Investigational Soft Contact Lens Clinical Trial. Alcon Laboratories.
- 2021 Investigational Soft Contact Lens Clinical Trial. Johnson & Johnson Vision Care
- 2023 Investigational Soft Contact Lens Clinical Trial. Johnson & Johnson Vision Care
- 2022-present Site Investigator; LenTechs 101, 201, 301 studies

CO-INVESTIGATOR

FEDERAL:

- 1992 Co-Investigator: Contact Lens Evaluation in Keratoconus Pilot Study, #R21-EY08652-01. 2% effort (PI: J.Barr, OD, MS.)
- 1996-2000 Co-Investigator: Protection of the Ocular Surface: NIH/NEI Grant # EY11288-01 (PI M.E. Medof MD, PhD), 5% effort
- 1997-2005 Consultant: CLEK Corneal Topography Reading Center (CTRC) NIH/NEI Grant # U10 EY 12656-01, 2.5% effort
- 2000-05 Visual Sciences Training Program/Training Grant NIH/NEI Grant T32 EY07157-01, John Porter, Principal Investigator. 1% effort
- 2010-2014 Co-investigator, Toll Like Receptors in Bacterial Keratitis, (PI: Eric Pearlman PhD). National Eye Institute 5RO1 EY014362, 5% effort
- 2011-2018 Director; Coordinating Center. Effect of Corneal Preservation Time on Long-Term Graft Success (CPTS) (PI Jonathan Lass MD) National Eye Institute 1U10EY020798-01A1. 33% effort

NON-FEDERAL:

- 1998-2000 Co-Investigator: Contact Lens and Closed Eye Induced Inflammation. Sponsor: Bausch & Lomb (with D.Bardenstein MD) 2.5% effort
- 2019-2020 Comparative corneal endothelial cell toxicity of differing intracameral moxifloxacin doses for prevention of endophthalmitis. (with Douglas Rhee MD): Prime Sponsor ASCRS. 5% effort.
- 2021-2023 Co-Investigator: Preliminary Practice Patterns for the Treatment of Open Angle Glaucoma (with Douglas Rhee MD): Prime Sponsor Abbvie and ASCRS. 5% effort.