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**CURRICULUM VITAE**

University of Pittsburgh School of Medicine

**BIOGRAPHICAL**

Name: Deepinder Kaur Dhaliwal, M.D., L.Ac

Birth Place: Evanston, IL

Citizenship: United States

Business Address: UPMC Eye Center  
Eye & Ear Institute  
203 Lothrop Street, 8<sup>th</sup> floor  
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**CERTIFICATION and LICENSURE**

**Specialty Certification:**

American Board of Ophthalmology	1996
Visian ICL – Certified Visian ICL Surgeon	2014

**Medical Licensure:**

Commonwealth of Pennsylvania	1993
State of California	1996
Commonwealth of Pennsylvania (for physician acupuncturist)	2006

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**EDUCATION and TRAINING**

UNDERGRADUATE:

8/1984 – 5/1986	Northwestern University, Evanston, IL Honors Program in Medical Education Combined 6 year B.S. and M.D. degree	Degree: B.S.M. 1988
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GRADUATE:

8/1986 – 5/1990	Northwestern University Medical School Chicago, IL	Degree: M.D. 1990 Medicine
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POSTGRADUATE:

Internship:

7/1990 – 6/1991	Intern in Medicine, Evanston Hospital (Northwestern University/McGaw Medical Center), Evanston, Illinois
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Residency

7/1991 – 6/1994 Resident in Ophthalmology, University of Pittsburgh, The Eye & Ear Institute, Pittsburgh, Pennsylvania

7/1993 – 6/1994 Chief Resident in Ophthalmology, University of Pittsburgh, The Eye & Ear Institute, Pittsburgh, Pennsylvania

Fellowship

7/1994 – 6/1995 Fellowships in Refractive Surgery, Cornea/External Disease, and Anterior Segment Surgery, University of Utah, Salt Lake City, UT

7/2005 – 7/2006 Medical Acupuncture Course, Taught by: Joseph Helms, UCLA, Became a licensed acupuncturist in 2006

7/2015 Trained with Dr. Mark Gorovoy in Ft. Meyers, FL on the DMEK procedure

9/2015 Certified by OptiMedica® for competence on the Catalys® Precision Laser System

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**ACADEMIC APPOINTMENTS**

8/2015 to present Professor of Ophthalmology  
University of Pittsburgh School of Medicine, Pittsburgh, PA

7/2014 to present Associate Medical Director, Charles T. Campbell Laboratory

7/2012 to present Program Director, Cornea and Refractive Surgery Fellowship  
Department of Ophthalmology, University of Pittsburgh School of Medicine,  
Pittsburgh, PA

9/2010 to 6/2014 Director, UPMC Eye Center Monroeville

7/2006 to present Director and Founder, Center for Integrative Eye Care  
UPMC Eye Center, Pittsburgh, PA

11/2003 to present Division Chief of Cornea and External Disease Service  
UPMC Eye Center, Pittsburgh, PA

5/2003 to 7/2015 Associate Professor of Ophthalmology  
University of Pittsburgh School of Medicine, Pittsburgh, PA

9/1995 to present Director of Refractive Surgery, Department of Ophthalmology  
University of Pittsburgh Medical Center, Pittsburgh, PA

9/1995 to present Medical Director, UPMC Laser/Vision Center

9/1995 to 4/2003 Assistant Professor of Ophthalmology, Cornea and External Diseases  
University of Pittsburgh School of Medicine, Pittsburgh, PA

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**OTHER APPOINTMENTS AND POSITIONS**

1999 to 2002	Medical Director, Casebeer Education Foundation
1999 to present	VISX Trainer (selected by VISX/AMO to teach MDs about this excimer laser platform)
2000 to 2002	Medical Monitor: CRS Study Investigating Sunrise Laser Thermokeratoplasty for the Treatment of Spherical Hyperopia
2000 to 2002	Medical Monitor, CRS Study Investigating Intacs for the Treatment of Keratoconus
2001 to present	Member, Editorial Board, <i>Journal of Refractive Surgery</i>
2001 to 2003	Member, American Academy of Ophthalmology Self-Assessment Committee (Cornea Representative)
2002 to 2005	Member, American Academy of Ophthalmology Cataract Knowledge Base Committee
2003 to 2005	Member, Editorial Board, <i>Review of Refractive Surgery</i>
2003 to present	Member, Continuing Medical Education Committee, American Society of Cataract & Refractive Surgery
9/2004 to present	Member, ISRS (International Society of Refractive Surgery of the American Academy of Ophthalmology) International Council
9/2004 to 2008	Member, Medical Advisory Board, Eye Bank Association of America
2005 to 2010	Member, Editorial Board, EyeNet Magazine (of the American Academy of Ophthalmology)
2008 to present	Member, Advisory Board of Candeo Clinical/Science Communications
2010 to present	Member, Board of Directors, CLAO (Contact Lens Association of Ophthalmologists)
2010 to present	Member, Eye and Ear Foundation Board of Directors
2010 to present	Member, Editorial Board, <i>US Ophthalmic Review</i>
2010 to 2013	Director-at-Large, Contact Lens Association of Ophthalmologists (CLAO) Board of Directors
2011 to present	Member, International Council of Ophthalmology, Residency Curriculum Committee

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2011 to present	Member: American Academy of Ophthalmology's Practicing Ophthalmologists Curriculum Cornea/External Disease Panel
2013 to present	Member, Editorial Board, <i>Eye and Contact Lens</i>
2013 to present	Scientific Program Chair, CLAO – responsible for program development for AAO and ASCRS symposia and CLAO annual meetings
2014 to present	Member, Subcommittee, (POCP) Practicing Ophthalmologists Curriculum Panel (AAO)
2014 to 2015	President-Elect, CLAO
2015 to present	ISRS International Council Representative for the United States
2015 to present	Member, Ophthpac
2015 to present	Member, AAO Skills Transfer Advisory Committee
2015 to present	Member, Medical Advisory Board, Novabay
June 2015- May 2017	President, CLAO, Contact Lens Association of Ophthalmologists, Inc.

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#### **MEMBERSHIPS in PROFESSIONAL and SCIENTIFIC SOCIETIES**

American Academy of Ophthalmology	1990-present
Pennsylvania Academy of Ophthalmology	1991-present
International Society of Refractive Surgery	1995-present
American Society of Cataract and Refractive Surgery	1996-present
Castroviejo Cornea Society	1999-present
Pennsylvania Medical Society	2000-present
Eye Bank Association of America	2004-present
American Academy of Medical Acupuncture	2006-present
Contact Lens Association of Ophthalmologists	2010-present
OWL Ophthalmic Women Leaders	2015-present
Ophthpac	2015-present

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#### **HONORS AND AWARDS**

• Alpha Omega Alpha, Northwestern University Medical School	1989
• Intern of the Year, Evanston Hospital (Northwestern University)	1991
• Chief Resident in Ophthalmology, University of Pittsburgh	1993
• James E. Robbins Memorial Lecturer, University of Florida	1999

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- James R. Carl “Clinical Instructor of the Year” Award, Ophthalmology Residents 2000
  - Best Doctors in America (selected by peers to be among the top 5% of doctors in the country) 2001-present
  - James R. Carl “Clinical Instructor of the Year” Award, Ophthalmology Residents 2004
  - Robert Miller Memorial Lecture, Northwestern University Residents’ Day 2005
  - Trusted LASIK Surgeon, Trusted LASIK Surgeons™ 2009-present
  - Top Doctors in Pittsburgh, Pittsburgh Magazine 2010-present
  - Premier Surgeon 250, SLACK Incorporated 2010-present
  - America’s Top Doctors, Castle Connolly 2011-present
  - Top Doctor, Castle Connolly 2011- 2013, 2016
  - Patient’s Choice Award 2012
  - Compassionate Doctor 2013, 2015
  - Senior Achievement Award, American Academy of Ophthalmology 2013
  - Top Ophthalmologist in Pittsburgh, PA by the International Association of HealthCare Professionals 2014
  - Vitals Top 10 Doctors in PA, Vitals Awards & Recognition Program 2014
  - Vitals Top 10 Doctors by City 2014
  - Vitals Compassionate Doctor Award 2014
  - Distinguished Alumnus of the University of Utah 2015
  - “Best of the Best”, America’s Most Honored Professionals 2016
  - “Premier Surgeon 300”, *Ocular Surgery News*, Elite 300 Premium Refractive Cataract Surgeons Identified As Leading Innovators In Premium Refractive Surgery 2016
  - “Outstanding Female Leader in Ophthalmology Award”, MillennialEYE 2016
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### PUBLICATIONS / POSTERS

#### Refereed:

1. Tripathi BJ, Tripathi RC, Borisuth NSC, Dhaliwal R, **Dhaliwal DK**. *Rodent models of congenital and hereditary cataract in man*. *Lens and Eye Toxicity Research* 1991; 8(4):373-413
2. **Dhaliwal DK**, Kowalski RP, Donahue SP, Doft BH, Karenchak L. *Evaluation of vitrectomy machines as a source of false-positive culture contamination in endophthalmitis?* *Am J Ophth.* 1995; 119(1):62-64. PMID: 7825691
3. **Dhaliwal DK**, Mamalis N, Olson RJ, Crandall As, Zimmerman PL, Alldredge OC, Durcan FJ, Omar O. *Visual significance of "Glistenings" seen in the Acrysof lens*. *J Cataract Refract Surg.* 1996; 22(4):452-457. PMID: 8733849
4. Azar MJ, **Dhaliwal DK**, Bower KS, Kowalski RP, Gordon YJ. *Possible consequences of shaking hands with your patients with epidemic keratoconjunctivitis*. *Am J Ophth* 1996; 121(6):711-712. PMID: 8644817

5. Bower KS, **Dhaliwal DK**, Barnhorst DA, Warnicki JW. *Pellucid marginal degeneration with superior corneal thinning*. Cornea 1997; 16(4):483-485. PMID: 9220249
6. **Dhaliwal DK**, Barnhorst DA, Romanowski E, Rehkopf PG, Gordon YJ. *Efficient reactivation of latent herpes simplex virus type i infection by excimer laser keratectomy in the experimental rabbit ocular model*. Am J Ophth. 1998; 125(4):488-492. PMID: 9559734
7. **Dhaliwal DK**, Romanowski EG, Yates KA, Barnhorst DA, Goldstein MH, Deeter RG, Fish DN, Gordon YJ. *Valacyclovir inhibits recovery of ocular HSV-1 after experimental reactivation by excimer laser keratectomy*. Cornea 1999; 18(6):693-699. PMID: 10571301
8. Cook DR, **Dhaliwal DK**, Davis PJ, Davis J. Anesthetic interference with laser function during excimer laser procedures in children. Anesthesia & Analgesia. 2001; 9(6):1444-1445. PMID: 11375823
9. **Dhaliwal DK**, Romanowski EG, Yates KA, Hu D, Goldstein M, and Gordon YJ. *Experimental laser-assisted in situ keratomileusis induces the reactivation of latent herpes simplex virus*. American Journal of Ophthalmology. 2001; 131(4):506-507. PMID: 11292417
10. **Dhaliwal DK**, Romanowski EG, Yates KA, Hu D, Mah FS, Fish DN, and Gordon YJ. *Valacyclovir inhibition of recovery of ocular herpes simplex virus type 1 after experimental reactivation by laser in situ keratomileusis*. Journal of Cataract & Refractive Surgery. 2001, 27(8):1288-1293. PMID: 11524202
11. Keverline MR, Kowalski RP, and **Dhaliwal DK**. *In Vitro comparison of ciprofloxacin, ofloxacin, and povidone-iodine for surgical prophylaxis*. Journal of Cataract & Refractive Surgery. 2002, 28(6):915-916. PMID: 12036617
12. Kowalski RP, **Dhaliwal DK**, Karenchak LM, Romanowski EG, Mah FS, Ritterband DC, Gordon YJ. *Gatifloxacin and Moxifloxacin: An In Vitro Susceptibility Comparison to Levofloxacin, Ciprofloxacin, and Ofloxacin Using Bacterial Keratitis Isolates*. Am J Ophthalmol. 2003; 136:500-505. PMID: 12967804
13. Bailey MD, Mitchell GL, **Dhaliwal DK**, and Zadnik K. *Patient satisfaction and visual symptoms after laser in situ keratomileusis*. Ophthalmology. 2003; 110:1371-1378. PMID: 12867394
14. Bailey MD, Mitchell GL, **Dhaliwal DK**, Boxer Wachler BS, Olson MD, Shovlin JP, Pascucci SE, Zadnik K. *Reasons why patients recommend laser in situ keratomileusis to others*. J Cataract Refract Surg. 2004; 30:1861-1866. PMID: 15342047
15. Kowalski RP, **Dhaliwal DK**. *Ocular bacterial infections: current and future treatment options*. Expert Review of Anti-Infective Therapy 2005;3(1):131-139
16. **Dhaliwal DK**. Consultation Section: *Sutureless triplanar scleral tunnel incision*. J Cataract Refract Surg. 2004; 30:1619

17. Bailey MD, Twa MD, Mitchell GL, **Dhaliwal DK**, Jones LA, McMahon TT. *The repeatability of autorefractometry and axial length measurements after LASIK*. Journal of Cataract and Refractive Surgery, 2005; 31:1025-1034. PMID: 15975474
18. Kowalski RP, **Dhaliwal DK**. *Ocular bacterial infections: current and future treatment options. Expert Review of Anti-infective Therapy*. 2005; 3:131-139. PMID: 15757463
19. Mah FS, Romanowski EG, **Dhaliwal DK**, Yates KA, Gordon YJ. *Role of topical fluoroquinolones on the pathogenesis of diffuse lamellar keratitis in experimental in vivo studies*. J Cataract Refract Surg. 2006 Feb; 32(2):264-8. PMID: 16565003
20. Christopoulos V, Kagemann L, Wollstein G, Ishikawa H, Gabriele ML, Wojkowski M, Srinivasan V, Fujimoto JG, Duker JS, **Dhaliwal DK**, Schuman JS. *In vivo corneal high-speed, ultra high-resolution optical coherence tomography*. Arch Ophthalmol. 2007 Aug; 125(8):1027-35. PMID: 17698748
21. Isawi H, **Dhaliwal DK**. *Corneal melting and perforation in Stevens Johnson syndrome following topical bromfenac use*. J Cataract Refract Surg. 2007 Sep; 33(9):1644-6. PMID: 17720085
22. Roh DS, Cook AL, Rhee SS, Joshi A, Kowalski R, **Dhaliwal DK**, Funderburgh JL. *DNA cross-linking, double-strand breaks and apoptosis in corneal endothelial cells after a single exposure to mitomycin-C*. Invest Ophthalmol Vis Sci. 2008 Nov; 49(11):4837-43. [Epub 2008 July 24]. PMID: 18658091
23. Ho L, Harvey TM, Scherer JS, Mah FS, **Dhaliwal DK**. *Comparison of Rosenbaum pupillometry card using red and blue light to Colvard and Iowa pupillometers*. Journal of Refractive Surgery. 2010 Jul; 26(7):498-504. PMID: 24508771
24. Kaufmann M, **Dhaliwal DK**. *Spontaneous Improvement of Channel Deposits and Stromal Haze Following Intacs Implantation*. Journal of Refract Surgery. 2010 Aug; 16:1-3. PMID: 24508771
25. **Dhaliwal DK**, Farhi P, Eller AW, Kowalski RP. *Late Capsular Block Syndrome Associated With Propionibacterium Acnes*. Arch Ophthalmol. 2011 Feb; 129(2):246-7. PMID: 24508771
26. Rowe AM, St Leger AJ, Jeon S, **Dhaliwal DK**, Knickelbein JE, Hendricks RL. *Herpes keratitis*. Prog Retin Eye Res. 2013 Jan;32:88-101
27. Knickelbein JE, Kovarik J, **Dhaliwal DK**, Chu CT. *Acanthamoeba Keratitis: A Clinicopathologic Case Report and Review Of The Literature*. Hum Pathol. 2013 May;44(5):918-22. PMID: 24508771  
Rowe AM, St Leger AJ, Jeon S, **Dhaliwal DK**, Knickelbein JE, Hendricks RL. Herpes keratitis. Prog Retin Eye Res. 2013 Jan;32:88-101. PMID: 24508771

28. Legarreta JE, Nau AC, **Dhaliwal DK**. *Acanthamoeba keratitis associated with tap water use during contact lens cleaning: manufacturer guidelines need to change*. Eye Contact Lens. 2013 Mar;39(2):158-61. PMID: 24508771
29. Donaldson KE, Braga-Mele R, Cabot F, Davidson R, **Dhaliwal DK**, Hamilton R, Jackson M, Patterson L, Stonecipher K, Yoo SH; ASCRS Refractive Cataract Surgery Subcommittee. *Femtosecond laser-assisted cataract surgery*. J Cataract Refract Surg. 2013 Nov;39(11):1753-63. PMID: 24508771
30. Nau AC, Drexler S, **Dhaliwal DK**, Mah F, Raju L, Deschler E. *Contact Lens Fitting and Long-Term Management for the Boston Keratoprosthesis*. Eye Contact Lens. 2014 Feb 6. PMID: 24508771
31. Lamm V, Hara H, Mammen A, **Dhaliwal D**, Cooper DKC. *Corneal Blindness and Xenotransplantation*. Xenotransplantation 2014; 21: 99–114
32. Chang V, **Dhaliwal D**, Raju L, Kowalski R. *Antibiotic Resistance in the Treatment of Staphylococcus Aureus Keratitis: a 20-Year Review*. Cornea Journal. 2015 June; 34(6); 698-703. PMID: 25811722
33. Zambelli AM, Brothers KM, Hunt KM, Romanowski EG, Nau AC, **Dhaliwal DK**, Shanks RM. *Diffusion of Antimicrobials Across Silicone Hydrogel Contact Lenses*. Eye Contact Lens. 2015 Sep;41(5):277-80. PMID: 25806673
34. Hampton D, Tarver ME, Jacobs DS, Szczotka-Flynn L, Steinemann T, **Dhaliwal D**, Dueñas MR, Jeng BH, Eydelman M, *Special Commentary: Food and Drug Administration, American Academy of Ophthalmology, American Academy of Optometry, American Optometric Association and the Contact Lens Association of Ophthalmologists Cosponsored Workshop: Revamping Microbiological Test Methods for Contact Lenses, Products, and Accessories to Protect Health and Ensure Safety*, Eye Contact Lens. 2015 Nov;41(6):329-33. PMID: 26469524
35. **Dhaliwal DK**, Samudre S, Lo, N, Rhee M, *Acupuncture Treatment Improves Symptoms of Dry Eye Disease Long Term*, Submitted on 1/08/2016 to [Cornea](#).
36. **Dhaliwal DK**, *Pragmatic Microbiology for Eye Care Providers*, Topics in Ocular Antiinfectives. 2016 Mar;(59): 5-7.
37. **Dhaliwal DK**, Kouchouk Amr, *Mastering Endothelial Keratoplasty*. India: Springer; 2016. Chapter 12, *Graft Thickness and Its Relationship to Visual Outcome in Endothelial Keratoplasty*: p. 197-204.
38. Lee W, Mammen A, **Dhaliwal DK**, Cassandra L, Miyagawa Y, Ayares D, Cooper D, Hara H. *Development of Retrocorneal Membrane Following Pig-To-Monkey Penetrating Keratoplasty*. Xenotransplantation. Forthcoming 2016.



**Review Articles:**

1. Pollock DA, Barnhorst DA, Awad OE, **Dhaliwal DK**. Conjunctivitis: Differential Diagnosis and Treatment. *Current Concepts in Ophthalmology* 1997, 5:23-32
2. Hu DE, Sankar PS, Chang BM, **Dhaliwal DK**. Dry Eye Syndrome. *Current Concepts in Ophthalmology* 1999
3. Mah FS, **Dhaliwal DK**. LASIK Review. *Current Concepts in Ophthalmology*, 2001, Vol. 9:63-69
4. Scherer J, **Dhaliwal DK**. Update – Dry Eye Syndrome. *Current Concepts in Ophthalmology*, 2002, 10:19-23
5. **Dhaliwal DK** and Mather R. New Developments in Cornea and External Disease – LASIK. *Ophthalmology Clinics of North America*. 2003; 16(1):119-125
6. **Dhaliwal DK**. Fluoroquinolones in the Peer-Reviewed Literature. *Ophtho Mgmt*. 2005 April. Available from:  
<http://www.opthalmologymanagement.com/articleviewer.aspx?articleid=86327>

**Invited:**

1. Mah FS, **Dhaliwal DK**. Consultation section. *Journal of Cataract & Refract Surgery* 2000 Sep;26(9):1276. No abstract available. PMID: 11020610
2. **Dhaliwal DK**. Consultation: Reply #1. *Journal of Cataract & Refractive Surgery*. 2002, 28(12):2073-2074
3. **Dhaliwal DK**. April Consultation #4. *Journal of Cataract & Refractive Surgery*. 2007 Apr; 33(4):567-568

**Book Chapters:**

1. Grewal RK, **Dhaliwal DK**, Hersh P, Zigelbaum, BM. Anterior Segment Injuries. *Sports Ophthalmology*. Cambridge: Blackwell Science, Inc., 1996:184-209
2. **Dhaliwal DK**. Refractive Errors. *The Merck Manual*. 17<sup>th</sup> edition. Whitehouse Station, Merck Research Laboratories, 1999; 741-744
3. Portnoy SL, **Dhaliwal DK**, Franklin RM. Scleritis. A Review. *Retina*. Third Edition. Medical Retina, Ryan S. (ed), C. V. Mosby, St Louis, MO, 1999
4. **Dhaliwal DK**. LASIK in Pediatric Eyes. *Step by Step LASIK Surgery*. Vajpayee RB, Sharma N, Melki S, Sullivan L. (eds), Jaypee Brothers Medical Publishers, 2003; 167-169
5. **Dhaliwal DK**. Refractive Disorders. *The Merck Manual of Medical Information*, New Jersey: Merck Publishing; Second Home Edition. 2003

6. **Dhaliwal DK.** Refractive Errors. The Merck Manual. New Jersey: Merck Publishing; 18<sup>th</sup> Edition. 2004
7. **Dhaliwal DK.** The Pros of Pediatric LASIK. LASIK: Advances, Controversies, and Custom. Probst LE (ed). Slack, Inc. 2004; 299-302
8. **Dhaliwal DK.** Refractive Errors. The Merck Manual. New Jersey: Merck Publishing; 19th Edition. 2004
9. **Dhaliwal DK.** Refractive Disorders. The Merck Manual of Medical Information, New Jersey: Merck Publishing; Third Home Edition
10. Schuman JS, Christopoulos V, **Dhaliwal DK**, Kahook MY, Noecker RJ, Rapid Diagnosis in Ophthalmology: Lens and Glaucoma. Duke JS and Macsai MS (eds), Mosby Elsevier, 2008
11. Al-Ghoul A, Kim G, **Dhaliwal DK**. Chapter 4.10 Ocular Cicatricial Pemphigoid/Mucous Membrane Pemphigoid. Yanoff and Duker Ophthalmology, 3<sup>rd</sup> edition
12. Ghajarnia M, **Dhaliwal DK**, Kowalski RP. Pseudomonas aeruginosa. In: Roy and Fraunfelder's Current Ocular Therapy, 6<sup>th</sup> edition, 2008. P.68-71
13. **Dhaliwal DK** and Hassanlou M. Curbside Consultation in Cataract Surgery: 49 Clinical Questions, Slack Incorporated; 2<sup>nd</sup> edition
14. Mammen A, **Dhaliwal DK**. Curbside Consultation in Refractive and Lens-Based Surgery: 49 Clinical Questions, Slack Incorporated. P121-122
15. Cervantes L, Mammen A, Wan X, **Dhaliwal DK**. Management of Postkeratoplasty Astigmatism. In: Copeland Jr, R, Afshari N, editors. Copeland and Afshari's Principles and Practice of Cornea. New Delhi: Jaypee-Highlights Medical Publishers, Inc.; 2013. P. 1050-1063

**Journals:**

1. Guest Editor: Seminars in Ophthalmology. Excimer Laser Part I, Vol 11(3), 1996
2. Guest Editor: Seminars in Ophthalmology. Excimer Laser Part II, Vol 11(4), 1996

**Published Abstracts:**

1. **Dhaliwal DK**, Dhaliwal AS. Effects of the Extracts of Allium Porrum on the Multiplication of Tobacco Mosaic Virus. Transactions of the Illinois State Academy of Science: Abstract, p.13, 1984
2. **Dhaliwal DK**, Roat MI, Kowalski RP. Sensitivity of Giemsa Stain in the Diagnosis of Acanthamoeba Keratitis. Invest Ophthal Vis Sci. 33:1318, 1992
3. **Dhaliwal DK**, Donahue SP, Doft BH, Karenchak L. Are Vitrectomy Machines a Source of False-Positive Contamination in Endophthalmitis? Invest Ophthal Vis Sci. 34:1259, 1993

4. Azar MJ, Kowalski RP, Karenchak LM, **Dhaliwal DK**, Bower KS, Gordon YJ. The Recovery of Adenovirus from the Hands of EKC Patients. *Invest Ophthalmol Vis Sci.* 34:1003, 1993
5. Bower KS, Kowalski RP, **Dhaliwal DK**, Gordon YJ. Contact-lens related keratitis: Is topical fluoroquinolone therapy adequate? *ARVO Abstracts. Investigative Ophthalmology & Visual Science* 1996;37(3,suppl):4055
6. Guibord, NM, Fanous MM, **Dhaliwal, DK**, Hu D, Goldstein MH: Effect of Laser in situ keratomileusis on intraocular pressure. *ARVO Abstracts. Investigative Ophthalmology & Visual Science* 1999; 40(4,suppl):4717
7. Keverline MR, Kowalski RP, Karenchak LM, **Dhaliwal DK**. Ciprofloxacin vs. ofloxacin vs. iodine/povidone for topical surgical prophylaxis: An in-vitro time-kill analysis. *Investigative Ophthalmology & Visual Science* 2000;41(4,suppl):759
8. Mah FS, **Dhaliwal DK**, Romanowski EG, Yates KA, Gordon YJ. *Diffuse Lamellar Keratitis: Can Fluoroquinolones be a Cause?* Presented at the OMIG 2002, The Thirty-Sixth Annual Meeting Ocular Microbiology and Immunology Group, Orlando, FL, October 2002
9. Al-Ghoul AR, **Dhaliwal D**, Charukamnoetkanok P. Vacuum-Assisted Delivery of Corneal Tissue: An Innovative Approach to Corneal Button Delivery in Descemet Stripping With Endothelial Keratoplasty (DSEK) Association for Research in Vision and Ophthalmology, Poster, April 28, 2008
10. Marra TE, Ho LY, **Dhaliwal DK**, Mah FS, Noecker RJ. DSAEK Combined With Phacoemulsification: Compensating for the Hyperopic Shift Association for Research in Vision and Ophthalmology, Poster, April 28 2008
11. Roh D, Rhee S, Cook A, Joshi A, Kowolski R, **Dhaliwal D**, J. Funderburgh F. A Single Application of Mitomycin-C Induces DNA Cross-Linking in Corneal Endothelium Poster, April 30 2008
12. **Dhaliwal DK**, Kamyar R, Mammen A, Bower T, Nayak N. Sleep Position and Obstructive Sleep Apnea in Keratoconus. Poster session presented at: Engage! At the American Academy of Ophthalmology Annual Meeting: 2014 Oct 18-21: Chicago, IL

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**CD-ROM:**

1. **Dhaliwal DK**. LASIK: Tricks and Pearls with Different Microkeratomes. "Intraoperative LASIK Complications: MORIA Automated M2 Microkeratome vs. Automated CB Microkeratome." Boston: Physician Education, Inc.; 2001. (CD-ROM)
2. **Dhaliwal DK**. An In Vitro Comparison of 2nd, 3rd, and 4th Generation Fluoroquinolones Against Bacterial Keratitis Highlights of the XX Congress of the ESCRS. Physician Education, Inc.; 2002. (CD-ROM)

**PAPERS:**

1. ASCRS Symposium, Kouchouk A, **Dhaliwal DK**, Mammen A. "Evaluation of Efficacy of Sealant in Management of Postoperative Wound Leak Post DSAEK", San Diego, CA, April 20, 2015

**PROFESSIONAL ACTIVITIES****Course Faculty / Course Director / Invited Speaker:**

- 11/28/1995 Phototherapeutic Keratectomy Course, University of Pittsburgh, Pittsburgh, PA
- 1/07/1996 Photorefractive Keratectomy Course, University of Pittsburgh, Pittsburgh, PA
- 1996-present Refractive Surgery Course and Wet Lab, University of Pittsburgh, Pittsburgh, PA, (annual course)
- 7/12/1997 Phacoemulsification Course and Wet Lab, University of Pittsburgh, Pittsburgh, PA
- 1997 Practical Ophthalmic Microbiology: Diagnosing Infectious Ocular Disease in Today's Laboratories, American Academy of Ophthalmology meeting, San Francisco, CA.
- 5/1998 Refractive Surgery Course and Wet Lab, University of Pittsburgh, Pittsburgh, PA
- 1998 Practical Ophthalmic Microbiology: Diagnosing Infectious Ocular Disease in Today's Laboratories, American Academy of Ophthalmology meeting, New Orleans, LA.
- 3/12-14/1999 LASIK for the General Ophthalmologist, University of Pittsburgh, Pittsburgh, PA
- 5/1-2/1999 LASIK for the General Ophthalmologist, Scottsdale, AZ
- 6/5/1999 Phacoemulsification Course and Wet Lab, University of Pittsburgh, Pittsburgh, PA
- 6/19-20/1999 LASIK for the General Ophthalmologist, Scottsdale, AZ
- 9/1999 Advanced LASIK Course at the European Society of Cataract and Refractive Surgery meeting in Vienna, Austria, Topic: Sands of the Sahara Syndrome
- 10/21/1999 GLORY Didactic Course I - Basic at the International Society of Refractive Surgery (ISRS) Meeting in Orlando, Florida. Topic: Astigmatic Keratotomy (AK) – Technique & Results.
- 10/22/1999 GLORY Wet Lab II -- Astigmatic Keratotomy, 1999 Fall World Refractive Surgery Symposium, Orlando, Florida
- 9/2000 Incisional Refractive Surgery Wet Lab, European Society of Cataract and Refractive Surgery, Brussels, Belgium
- 9/2000 Advanced LASIK Course at the European Society of Cataract and Refractive Surgery meeting in Brussels, Belgium. Topic: Pediatric LASIK.
- 10/20/2000 GLORY Wet Lab – LASIK, World Refractive Surgery Symposium, Dallas, Texas
- 11/2000 GLORY Wet Lab – LASIK, World Refractive Surgery Symposium, New Orleans, Louisiana
- 11/2001 LASIK Wet Lab at the American Academy of Ophthalmology, New Orleans, Louisiana.
- 6/21/2002 Phacoemulsification Course and Wet Lab, University of Pittsburgh, Pittsburgh, PA
- 5/2002 American Society of Cataract and Refractive Surgery, Philadelphia, PA, Course: Comprehensive Refractive Surgeon
- 9/2002 Comprehensive Refractive Surgery Course at the European Society of Cataract and Refractive Surgery, Nice, France, Topic: Infectious Keratitis post-LASIK
- 3/2003 Faculty for Advanced Surgical Skills Course, Austria, Topic: "Management of Posterior Capsular Rupture"

- 10/2003 American Academy of Ophthalmology, Topic: Ophthalmic Antibiotics
- 9/17/2005 OSN New York 2005 "An Introduction to CK and Patient Selection."
- 10/16/2005 SLACK Inc. Symposium, Chicago, IL "Review of MOA of NSAIDS"
- 2/2/2007 Wilmer Eye/ASCRS Current Concepts in Ophthalmology, "Simple Ways to Organize Surgical Success."
- 9/29/2007 Faculty, Education Program for Ophthalmic Technicians Topic: Alternative Treatments and Therapies for Dry Eyes
- 2009-present Faculty, Anterior Lamellar Keratoplasty Course, American Academy of Ophthalmology
- 11/19/2010 OSN New York 2010 "Cataract Surgery in the Compromised Cornea."
- 8/5/2011 Women in Ophthalmology Summer Symposium "How to Handle Compromised Corneas in 2011"
- 10/21/2011 Refractive Surgery 2011, Subspecialty Day Co-Moderator: A Video Journey of Challenging Cases and Complications in Cataract and Refractive Surgery – Part 2.
- 10/23/2011 American Academy of Ophthalmology "Update on the Treatment of Contact Lens Associated Keratitis"
- 11/18/2011 OSN New York 2011 "Cataract Surgery in the Compromised Cornea"
- 11/2011 Refractive Subspecialty Day, American Academy of Ophthalmology, New Orleans, Louisiana, Topic: Pediatric PRK & LASIK
- 4/20/2012 Cornea Day Session, American Society for Cataract and Refractive Surgeons, Chicago, IL Great Debates in Refractive Surgery: This House Contends That Refractive Surgery in the Amblyopic Child is Ethical: For The Motion
- 4/23/2012 CLAO Symposium, Chicago, IL "DALK vs PK for Keratoconus and for Corneal Scarring: Pros and Cons"
- 11/8/2012 A World Through a Child's Eyes, Pittsburgh, PA "Corneal Cross Linking."
- 11/9/2012 AAO Refractive Surgery Subspecialty Day, Chicago, IL Invited Panelist: Section I: Cornea Point – Counterpoint
- 11/9/2012 AAO Cornea Subspecialty Day, Chicago, IL, Invited Speaker: "What I Know Now That I Wish I'd Learned in Training – Academic Perspective"
- 11/16/2012 OSN New York 2012 "Cataract Surgery in the Compromised Cornea"
- 3/2013 Masters Club, PANELIST: Ethics in Cataract Surgery  
Masters Club Lectures
- *Acupuncture in Ophthalmology*
  - *Decoding the Corneal Transplant Alphabet Soup*
  - *Cataract Surgery in Compromised Cornea*
  - *Simple Techniques to Deal with Corneal Irregularity*
- 3/2013 Cornea Day, ASCRS "Mild to severe dry eye: an evidence-based approach to treatment"
- 4/2013 Moderator, ASCRS "Problems Postop: Pain and Inflammation in the Refractive Surgery Patient"
- 4/2013 Presentation, ASCRS: "Acupuncture: What, Why, and for the Eye?"
- 5/2013 Third Annual Steven M. Podos, M.D., Symposium and Lecture: Innovations in Ophthalmology
- *The Corneal Transplant Revolution*
  - *Keratoconus: Battle of the Bulge*
- 8/2013 Women in Ophthalmology "Making Sense of Topography and How to Evaluate the Cornea for Cataract Surgery"

- 9/2013 OSN NY “Managing Astigmatism: LRIs & Toric IOLs”
- 9/2013 Midwest Glaucoma Symposium “Glaucoma Issues in Patients with Corneal Transplants”
- 11/2013 Cornea Subspecialty Day, American Academy of Ophthalmology Case Presentation: “A Fungus Among Us”
- 11/2013 Subspecialty Day, American Academy of Ophthalmology Prosecution: Laser Cataract Surgery is Too Long and Too Expensive
- 1/2014 Cataract Surgery, Telling It Like It Is, Wet Lab: Astigmatism: Topography, Toric IOLs and LRIs
- 2/2014 Cataract Surgery, Telling It Like It Is, Wet Lab: Ocular Surface and New Technologies  
Emory University, Medical College of Georgia, Georgia Society of Ophthalmology, GEM Eye Meeting
- *Tips on Cataract Surgery in Patients with Compromised*
  - *Corneas*
  - *Acupuncture: What, Why and for the Eye?*
  - *Treating Astigmatism in 2013: IOLs and Incisions*
- 3/2014 Guest Speaker, Advanced Cornea Conference, “Pterygium Surgery”, Ft. Lauderdale, FL, March 28-30
- *Pterygium Surgery*
  - *Vitamins and Supplements for Ocular Health*
  - *Lamellar Surgery Pearls*
- 5/2014 American Osteopathic Colleges of Ophthalmology and Otolaryngology-Head and Neck Surgery Foundation, Inc. Academy of Osteopathic Medicine, Scottsdale, AZ
- *Corneal Topography 101 and Astigmatism Management: Toric IOL’s and Relaxing Incisions*
  - *Acupuncture: What, Why and for the Eye?*
  - *Co-instructors of Refractive Surgery Workshop*
- 6/2014 Contact Lens Association of Ophthalmologists International Symposium and Congress, “Contact Lens Safety and Regulatory Affairs: Tap Water”, Toronto, Canada  
Moderator, Contact Lens Association of Ophthalmologists International Symposium and Congress, “Infiltrates, Ulcers and Problem Pathogens”, Toronto, Canada, June 12-14
- Florida Society of Ophthalmology Masters in Ophthalmology 2014 Meeting, Orlando, Florida, June 20-22
- *Decoding the Corneal Transplant Alphabet Soup: DSAEK, DMEK, DALK, and KPRO*
  - *Acupuncture: What, Why, and For the Eye?*
  - *Tips on Cataract Surgery with Patients with Compromised Corneas*
- 8/2014 Papers to Practice Lecture Series, UPMC Eye Center, “Surgery in Patients with Ocular Herpes & Comprised Corneas”
- 9/2014 Moderator, FDA Panel, “Revamping Microbiological Test Methods for Contact Lenses, Products, and Accessories to Protect Health and Ensure Safety”, Washington D.C., September 12
- Faculty, Cornea Society 2014 Cornea Fellows Educational Summit, Tampa, Florida, Sept 18
- *Laser Vision Correction: Indications & Techniques*

- 10/2014

  - *Refractive Surgery Disasters: Pulling Patients Back From the Edge*

Symposia Chair, American Association of Ophthalmology, Chicago, IL, October 18-21

Symposia Presenter, American Association of Ophthalmology, “Restocking the Toolbox: Concepts and Techniques for the Toughest Jobs”, Chicago, IL, October 18

Instructor, American Academy of Ophthalmology, “Phacoemulsification and Advanced Techniques”, Chicago, IL, October 19

Symposia Presenter, American Academy of Ophthalmology, DALK and DALK Rebuttal, Chicago, IL, October 20
- 11/2014

Invited Speaker, Ocular Surgery News, Case Presentations in Cornea: “Surgical Pearls with the Malyugin Ring”, New York, NY, November 14
- 1/2015

Invited Speaker, AAO, “Cataract Surgery Telling It Like It Is: Cornea Update”, Sarasota FL, January 15-18

  - *Corneal Update*
  - *Acupuncture: What, Why and for the Eye?*
  - *Peri-Operative Drugs*
  - *Young Ophthalmologist’s Forum “Ask Anything”*

Invited Speaker, University of Miami, *Challenging Encounters in the Anterior Segment – What Do You Do Next?*, Miami FL, Jan 23-23

  - *Case presentations and panel discussion: Dilemmas in Corneal Disease and Surgery*
  - *Tips and Tricks to Perform Successful Lamellar Keratoplasty*
  - *Panel Discussion: Topography and Tomography for Cataract Surgery – What is the “State of the Art”? Here’s What I Do...*
  - *Compromised Corneas and Cataract Surgery: How to Achieve the Best Outcomes*
  - *Acupuncture: What, Why, and for the Eye?*
  - *Panel Discussion: Managing the Ocular Surface- What Do I Do Now?!*
- 3/2015

Faculty, Advanced Cornea Conference, Ft. Lauderdale, FL, March 13-15

  - *Effect of Posterior Corneal Astigmatism on Toric IOL Calculation—Simplified Method*
  - *Toric IOL Placement Surgical Pearls*
  - *Surgical Options in the Management of Post-PKP Ametropia—Corneal Relaxing Incisions, Phakic IOL (ICL), Toric IOL, Intacs, and Laser Techniques*
  - *DALK: Easy Recipe for Success*
  - *Excimer Laser Phototherapeutic Keratectomy (PTK)*

Faculty, C.O.R.E. (Complimentary Ophthalmic Resident Education), March 28-29

  - *Hydrodissection/Hydrodelineation*
  - *Wet Lab Instruction*
- 4/2015

ASCRS, San Diego, CA, April 14-21

Instructor

  - *Video-Based Complex Cataract Surgery: Complications Reviewed-Learning from Our Mistakes*
  - *Anterior Vitrectomy Skills Wet Lab*
  - *Surgical Techniques and Technology*

- *Evaluation of Efficacy of Sealant in Management of Postoperative Wound Leak Post DSAEK*
- Moderator:
- *Myopia: Can Progression Be Halted?*
- Invited Speaker, World Cornea Congress VII, San Diego, CA, April 16
- *Corneal Degenerations: Diagnosis and Management*
- 5/2015 Moderator, CLAO & CLSA Educational Summit, Denver CO, May 2
- *Contact Lenses and the Healthy Ocular Surface*
- 10/2015 Faculty, CORE East (Complimentary Ophthalmic Resident Education), October 3-4
- *Hydrodissection/Hydrodelineation*
- Course Director and Instructor, Cornea Fellows Educational Summit, Tampa, FL, October 16-17
- *Suturing, Microkeratomes, Trephines, Amniotic Membranes and Sealants-Wet Lab*
- 11/2015 AAO, Las Vegas NV, November 14-17
- Chair
- *Myopia Treatment: What is the Best Strategy?*
- Senior Instructor
- *Myopic Children Should Have Refractive Surgery!*
  - *Pearls for Pragmatic Microbiology in Your 21<sup>st</sup> Century Ophthalmology Practice*
  - *Anterior Lamellar Keratoplasty: Principles and Practice*
  - *Phacoemulsification and Advanced Techniques*
  - *Advanced Refractive Cataract Surgery and Anterior Segment Reconstruction*
- Poster Tour Leader
- *Cornea, External Disease*
- Panelist
- *M&M Round: Learning From My Mistakes*
- 1/2016 Invited Speaker, AAO, "Cataract Surgery Telling It Like It Is: Cornea Update", Sarasota FL, January 15-18
- *Corneal Disease and Cataract Surgery*
  - *Wet Lab - Toric IOLs*
- 4/2016 Invited Speaker, University of Pittsburgh, Meeting on Infection, Immunity, Brain and Cognition, Pittsburgh, PA, April 21-22
- *Herpes Infection of the Eye*
- Moderator, CLAO Educational Summit, Seattle, WA, April 29
- 5/2016 ASCRS, New Orleans, LA, May 1-6
- Facilitator
- *EndoSerter, May 7*
- Interviews
- *Ocular Therapeutics, May 7, On-Label Use Of The ReSure Sealant For Clear Corneal Incisions Up To 3.5mm For Cataract Surgery*
  - *EyeWorld, May 7, Herpes Simplex*
- Instructor
- *Anterior Vitrectomy Skills Session, May 7*



- 8/2016

  - *Video-Based Complex Cataract Surgery –Complications Reviewed: Learning From Our Mistakes*, May 8

Faculty, ASCRS/ASOA Combined Ophthalmic Symposium, Austin, TX, August 26-28

  - *Expanding Your Options (I): Phakic IOLs*
  - *ABC of HSV and VZV*
  - *5 Secrets to Success in the Office and the OR*
- 9/2016

Chair and Course Director, Cornea Fellow Summit, Tampa, FL, September 15-18

  - *Refractive Surgery Basics*
  - *Wet Lab - Macro Dry Lab*
  - *Refractive Surgery Nightmares*
  - *Surgical Correction of Presbyopia*
  - *Becoming the “Expert” – The Road to Stardom*
- 9/2016

FDA Panel, “Controlling the Progression of Myopia: Contact Lenses and Future Medical Devices”, Washington D.C., September 30

Moderator

  - Patient Centric Factors & Outcomes
- 10/2016

AAO, Chicago, IL, October 14-18

Course Chair

  - Myth–Busting in Refractive and Cataract Surgery

Lectures

  - Infectious Keratitis after Laser Vision Correction: How to Prevent and Treat
  - The Case of Infectious Keratitis That Wouldn’t Go Away

Instructor

  - Insight to DMEK Surgical Techniques

Course Instructor

  - Wet Lab - Advanced Suturing: Scleral and Iris Fixation of Posterior Chamber IOLs Plus Intraocular Knot Tying
  - Wet Lab - Anterior Lamellar Keratoplasty: Principles and Practice

Course Senior Instructor

  - Pearls for Pragmatic Microbiology in Your 21st-Century Ophthalmology Practice

### TV / MAGAZINE INTERVIEWS

Dhaliwal, Deepinder K. *Techitis: Constantly Using Smartphones Causing Widespread Health Problems*. Interview by Kim Gable, KDKA TV News, May 19, 2015.

Dhaliwal, Deepinder K. *Structural Disorders Contributing To Dry Eye Symptoms*. Interviewed by Maxine Lipner, EyeWorld Magazine, November 5, 2015.

Dhaliwal, Deepinder K. Interviewed by Jolie Higazi, Ophthalmology Times, October 17, 2016.

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**VISITING PROFESSOR**

1/22/99 University of Florida, Gainesville, FL  
2005 University of Albany, Birmingham, AL  
2005 Northwestern University, Chicago, IL  
5/2013 Mt. Sinai, New York, NY

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**TEACHING AND MENTORING**

1995 to present Resident Lecture Series

- Corneal Dystrophies & Metabolic Disorders
- Principles and Mechanics of Refractive Surgery
- Refractive Surgery (VISX Part I & II)

1995 to present Cornea, External Disease and Refractive Surgery Fellow, responsible for more than 50% of the fellow's training each year.

1995 to present Ophthalmology Residents, daily clinical and/or surgical instruction

1995 to present Cornea Service Director for Medical Student Rotations – Most requested service

2010-2011 Faculty Mentor to Nathan Lo, University of Pittsburgh Medical Student

2013-2016 Faculty Mentor to Siwei Zhou, University of Pittsburgh Medical Student

2014-2015 Faculty Mentor to Natasha Nayak, University of Pittsburgh Medical Student

2015-2016 Faculty Mentor to Luis Gonzalez, Ophthalmology Resident, UPMC  
Research Mentor to Peter Knowlton, Ophthalmology Resident, UPMC

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**FELLOWSHIP TRAINEES**

1996-1997 Donald A. Barnhorst, Jr., M.D.  
1997-1998 Michael Goldstein, M.D.  
1998-1999 Dean Hu, M.D.  
1999-2000 Nick Marsico, M.D.  
2001-2002 Chirag Shah, M.D.  
2003-2004 Wesam Silk, M.D.  
2005-2006 Shree Kurup, M.D.  
2005-2006 Viki Christopoulos, M.D.  
2006-2007 Ahmed Al-Ghoul, M.D.  
2007-2008 Viet N. Bui, M.D.  
2009-2010 Divya (Mutyala) Varu, M.D.  
2010-2011 Lorenzo Cervantes, M.D.  
2011-2012 Alex Mammen, M.D.  
2012-2013 Mojgan Hassanlou, M.D.  
2013-2014 Tenley N. Bower, M.D.  
2014-2015 Amr Kouchouk, M.D.  
2015-2016 Mona Sane, M.D.  
2016-2017 Steven Kane, M.D.

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**CURRENT RESEARCH ACTIVITIES**

**Collaborative Research Activities:**

07/30/03 approval date, renewed 05/27/04

**Evaluation of LASIK Performed by Residents**

IRB # 020673

Role: Principal Investigator

This study will evaluate the results of LASIK performed by ophthalmology residents in their final year of training.

June/July 2015

**MHG-Proph-R2**

To determine the efficacy of a sustained-release hydrogel containing moxifloxacin compared with standard topical antibiotic prophylaxis with Vigamox® (0.5% moxifloxacin) for the prevention of Staphylococcus aureus endophthalmitis in the NZW rabbit antibiotic prophylaxis model. Repeat MHG-Proph-R1.

A Prospective Study to Evaluate the Safety and Effectiveness of Wavefront-Guided LASIK Correction of Myopic Refractive Errors with the iDesign Advanced Wavescan Studio™ System and STAR S4 IR™ Excimer Laser System

Safety and Efficacy of the KXL System with Riboflavin 0.1% Ophthalmic Solution for Corneal Collagen Cross-Linking in Eyes with Keratoconus (KXL-002)

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 (KXL-005)

A Multi-Center, Double-Masked, Randomized, Controlled, Efficacy and Safety Study of EBI-005 5 mg/mL Topical Ophthalmic Solution versus Vehicle Control in Subjects with Moderate to Severe Dry Eye Disease (DED)

PI of study to evaluate the Efficacy of Acupuncture in the Treatment of Age Related Macular Degeneration

Investigator in study with David Cooper to evaluate Pig-to-monkey corneal xenotransplantation from genetically-modified pig to monkey

2015 - HSV-1 Infection and Morbidity Among anterior Segment Eye Surgery Patients, \$10,000 Grant from the Pennsylvania Lions Sight Conversation and Eye Research Foundation

September 2015 – December 31, 2016

*The Evaluation of Intravitreal Tri-Moxi and Tri-Moxi-Vanc for the Prevention of Moxifloxacin-Resistant and Methicillin-Resistant Staphylococcus aureus Endophthalmitis in a Rabbit Model*

May 2016 – Present

Kala Pharmaceuticals, KPI-121-C-006 Study: A Phase 3, Double-Masked, Randomized, Controlled Study of KPI-121 0.25% Ophthalmic Suspension Compared to Vehicle in Subjects with Dry Eye Disease.

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### **SERVICE-RELATED ACTIVITIES**

#### **University Committees:**

2007 to 2009	Standing Committee for Non-Tenured Faculty Promotions and Appointments (NTFPA)
2003 to present	Executive Committee, UPMC Eye Center
2003 to 2009	Residency Committee, UPMC Eye Center
2001 to 2003	Ophthalmology Chairman Search Committee, University of Pittsburgh Physicians
1998 to 2003	Operations Committee, Department of Ophthalmology, University of Pittsburgh Physicians
1997 to present	Credentialing Committee, University Physician Practice Associates
1996 to 2003	Faculty Advisory Committee for Continuing Medical Education
1995 to 2004	Resident Selection Committee, Department of Ophthalmology

#### **Other Service:**

2007 to present	Reviewer, <i>Cornea</i>
2007 to present	Reviewer, <i>Journal of Cataract and Refractive Surgery</i>

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### **COMMUNITY ACTIVITIES:**

2001 to present	Member, EyeCare America <sup>SM</sup> National Eye Care Project <sup>®</sup> (NECP)
1/2002	Cataract Mission, Montserrat, West Indies
2003 to present	Member, Minute Men of the Medical School, University of Pittsburgh