

MICHAEL WELLINGTON BELIN, M.D., FRANZCO
Professor of Ophthalmology & Vision Science
University of Arizona Health Sciences
Chief Medical Officer, EPION Therapeutics

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- EDUCATION:** Undergraduate
Northwestern University, Evanston, Illinois - majored in Bio-Medical Engineering, 1971-1974
- Medical School
College of Medicine and Dentistry of New Jersey - Rutgers Medical School, Piscataway, New Jersey, 1974-1978
- INTERNSHIP:** Categorical-Diversified in Internal Medicine, Albany Medical College, Albany, New York, 1978-1979
- RESIDENCY:** Ophthalmology, Albany Medical College, Albany, New York, 1979-1982
Chief Resident 1981-1982
- FELLOWSHIP:** Corneal and External Disease, University of Iowa, Iowa City, Iowa, 1982-1983, Heed Fellow
Jay H. Krachmer, M.D. - Medical Director, Iowa Lions Cornea Center
Frederick D. Blodi, M.D. - Chairman
- Royal College of Surgeons of England Foundation, Travelling Fellowship recipient, 1990
- Schaffer Fellowship recipient - Albany Medical College, 1990
- APPOINTMENTS:** Food and Drug Administration - Anti-Infective Drugs Advisory Committee - Consultant, 1989
Committee member, 1990 - 1992
Consultant (SGE), 1992 - 1995
- Food and Drug Administration - Ophthalmic Device Committee - Consultant (SGE), 1994- 2002
- ANSI Z80 Committee

American Academy of Ophthalmology
Honor Award 1988
Senior Honor Award 1998
Councilor 2002 to 2005 & 2007 to present
Secretariat Achievement Award 2002
Secretariat Award 2009
Life Achievement Honor Award 2009

Honorary Professor of Ophthalmology, Department of
Ophthalmology, General Hospital of Shenyang Military Area
Command, Liaoning Shenyang, China

Basic and Clinical Science Course Faculty, Section 8 - External
Disease and Cornea. 1980 - 1992
Section Chairman, 1987 – 1992

Focal Points - Clinical Modules for Ophthalmologists - Editorial
Review Board, 1992 - 1997
Editor-in-Chief, 1997 to 2003

Basic and Clinical Science Course Faculty,
Refractive Surgery – 2002 to present

Committee on Ophthalmic Procedures Assessment
Refractive Surgery Panel - Methodologist, 1995 - 2000

Committee on Technology Assessment (OTAC)
Corneal Panel - 1996 – present
Committee Chair – 2001 – present

Self Assessment Panel – Cornea Team Leader

Medical Director – TLC Laser Eye Center – Albany, NY

Associate Examiner American Board of Ophthalmology, Bala
Cynwyd, Pennsylvania

American University Professors of Ophthalmology – Fellowship
Oversight Committee
Chair 2012 to current
Vice-Chair – Fellowship Review Committee

Medical Director - Albany LCA Laser Vision Center

Adjunct Professor of Ophthalmology, University of Ottawa, Ottawa,
Ontario, Canada, 1997

Professor of Ophthalmology (with tenure), Albany Medical College,
1996

Associate Professor of Ophthalmology, Albany Medical College,
1989 - 1996

Program Director - Department of Ophthalmology, Albany Medical
College, 1990 - 1995

State of New York Education Department - Therapeutic
Pharmaceutical Agents (TPA) Education Review Committee

Eye Bank Association of America - National Advisory Council
Meetings & Program Committee - Chairman
Accreditation Committee (1994 - 2000)
Scientific Program Committee (Chairman) (1992 - 1995)
Research Committee (1992 - 1995)
Scientific Program Committee (Chairman) (2002 to 2004)
Board of Directors (2005 to present)
Executive Committee

Medical Director - Lions Albany Eye Bank, 1990 - present

Stratton Veterans Administration Medical Center
Employed since 1989 – Current grade (15/10)
Chief of Service, Division of Ophthalmology, 1989 - 1990

Assistant Professor of Ophthalmology
George Washington University, 1983 - 1989

Assistant Professor of Child Health & Development
George Washington University, 1983 - 1989

Assistant Professor of Pediatrics
George Washington University, 1989

Cornea and External Disease Consultant,
Department of the Navy - Navy Medical Command, National
Capital Region, Bethesda, Maryland

Medical Director - District of Columbia Lions Eye Bank, 1984-1985

Cornea and External Disease Consultant,
Childrens Hospital National Medical Center, Washington, D.C.
(1983-9)

Tissue Banks International - Washington Eye Bank, Medical Advisory Board (1986-9)

Editorial Board Asia Pacific Journal of Ophthalmology

Editorial Board International Journal of Keratoconus and Ectatic Corneal Diseases

Editorial Board Saudi Journal of Ophthalmology

COMMITTEES: Dialysis and Transplantation Committee (1984-9)

Committee on Human Research (IRB) (1988-9)

Committee on Sponsored Research (1987-8)

Professional Economics Committee (1987-9)

Graduate Medical Education Committee (1990 - current)

Alden March Care Governing Council (1990 - 1993)

SOCIETIES: American Academy of Ophthalmology - Fellow
Senior Honor Award recipient 1998
BCSC Cornea & External Disease Section Chairman 1987-92
Honor Award recipient 1988
Focal Points Module Editor-in-Chief 1997 – 2002
BCSC Refractive Surgery 2002 - 2008
Councilor 2002 to present
Secretariat Award 2002
Secretariat Award for International Relations 2009
Lifetime Achievement Award 2009

Royal Australian & New Zealand College of Ophthalmologists
(International Member)
AAO Representative to Australia & New Zealand

Canadian Ophthalmological Society (International Member)

Association of University Professors of Ophthalmology (AUPO)
Associate Member (1990 - 1995)
Fellowship Compliance Committee
Vice-Chair Fellowship Review Committee

Heed Ophthalmic Foundation

(Fellowship Recipient)

Cornea Society (formerly Castroviejo Corneal Society)
Full member with Thesis
Board of Directors (2000-4)
AAO Councilor 2002 to present
President 2006 – 8
Executive Committee 2004 to 2015
Chair International Relations
VP for Development 2008 to 2020
2024 Castroviejo Medal Awardee

American College of Surgeons - Fellow

Eye Bank Association of America
Chair Scientific Program Committee 1995-98
Chair Scientific Program Committee 2002 – 2004
Accreditation Committee (past)
Chair Research Committee
Executive Committee
House of Delegates

I.S.R.K (International Society of Refractive Keratoplasty)

A.R.V.O. (Association for Research in Vision and Ophthalmology)

Royal Society of Medicine of England - Affiliate member

C.L.A.O. (Contact Lens Association of Ophthalmologists)

R. Townley Paton Society

A.S.C.R.S. (American Society of Cataract and Refractive
Surgery)
Chairman ASCRS FDA Committee

American Medical Association

LICENSURE:

Arizona # 40790

Washington (state) 60436333

New York, # 138408 (Inactive)

Iowa, # 22961 (Inactive)

District of Columbia, # 14075 (Inactive)

- PUBLICATIONS:** Belin MW, Baltch AL, Hay PB: Secondary Syphilitic Uveitis, American Journal of Ophthalmology, 92:210-211, 1981
- External Disease and Cornea - Section 7. Ophthalmology Basic and Clinical Science Course. American Academy of Ophthalmology, editions - 1980 - present
- Krachmer JH, Feder RS, Belin MW: Keratoconus and Related Non-inflammatory Corneal Thinning Disorders, Survey of Ophthalmology 28:293-322, 1984
- Belin MW, Kersten R: Double Ended Needle Holder for Anterior Segment Surgery, Archives of Ophthalmology 102:1093, 1984
- Brownstein S, Belin MW, Krohel GB, Smith RS, Condon G, Codere F: Orbital Dacryops. Ophthalmology 91:1424-1428, 1984
- Belin MW, Krachmer JH: Chemical Burns of the Cornea. In External Eye Disease, Easty DL, Smolin G (ed), Kent; Butterworth & Co., LTD, London, pp. 288-309, 1985
- Manarino A, Belin MW, Weiner BM: Clinical Fitting Characteristics of Extended Wear Silicone (Silsight) Lenses. CLAO Journal 11:339-342, 1985
- Belin MW, Hannush SB: Mucous Membrane Abnormalities. Surgical Intervention in Corneal and External Diseases, Abbott RL (ed), Grune and Stratton, Inc., Orlando, Florida, Chapter 12, pp. 159-176, 1987
- Belin MW, Fowler WC, Chambers WA: Keratoconus: Evaluation of Recent Trends in the Surgical and Non-surgical Correction of Keratoconus. Ophthalmology 95:335-338, 1988
- Chambers WA, Belin MW, Parenti DM, Simon GL: Corneal Ulcers in House Staff. Are Risk Factors Identifiable? Annals of Ophthalmology 20:172-175, 1988
- Bouchard CS, Belin MW: Topical Cyclosporin A: Improved Graft Survival in High Risk Corneal Transplant Patients (abstract). Inv. Ophthalmol Vis Sci(Suppl) 29:450, 1988

Fowler WC, Belin MW, Chambers WA: Contact Lenses in the Visual Correction of Keratoconus. CLAO Journal 14(4):203-206, 1988

Belin MW, Bouchard CS. Topical Cyclosporin A in High Risk Corneal Transplantation (abstract). Ophthalmology (Suppl) 95:160, 1988

Belin MW: Optical and Surgical Correction of Keratoconus - Focal Points: Clinical Module for Ophthalmologists. American Academy of Ophthalmology. Vol VI, Module 11, 1988

Olkowski JD, Belin MW, Bozkir NI, Mannarino AP: Unilateral Graft Rejection in Bilateral Antigen Identical Corneal Transplants. Cornea 8(3):230-232, 1989

Belin MW, Bouchard CS, Frantz S, Chmielinska J: Topical Cyclosporine in High Risk Corneal Transplants. Ophthalmology 96(8):1144-1150, 1989

Bouchard CS, Belin MW: Immunohistologic Findings and Results of Treatment with Cyclosporine in Ligneous Conjunctivitis (Correspondence). American Journal of Ophthalmology 108:210-211, 1989

Bouchard CS, Belin MW: The Use of Topical Cyclosporine in High Risk Corneal Transplants. Ophthalmology 97(6):691-694, 1990

Belin MW, Bouchard CS, Phillips TM: Update on Topical Cyclosporin A: Background, Immunology, Pharmacology. Cornea 9(3):184-195, 1990

Litoff D, Belin MW, Winn SS, Smith RS: PAR Technology Corneal Topography System (abstract). Inv. Ophthalmol Vis Sci 32(Suppl):922, 1991

Belin MW, Litoff D, Winn S, Smith RS: The PAR Corneal Topography System. Refractive and Corneal Surgery 8:88-96, 1992

Catalano R, Belin MW (assoc.ed.): Ocular Emergencies, W. B. Saunders Co., Philadelphia, 1991

Belin MW: Non-herpetic Leukoma in Corneal Surgery: Theory, Technique and Tissue ed.2 Brightbill FS (2nd edition.). C.V. Mosby, St. Louis, Missouri, chapter 11, pp. 129-132.

Belin MW, Zloty P: Accuracy of the PAR Corneal Topography System with Spatial Misalignment. CLAO Journal 19:64-68, 1993.

Belin MW: Intraoperative Raster Photogrammetry - The PAR Corneal Topography System. Journal of Cataract and Refractive Surgery 19:188-192, 1993.

Zloty P, Belin MW: Pseudomonas Ocular Infections in Pseudomonas Aeruginosa: Infections and Treatment. Baltch AL, Smith RP (ed.). Marcell Dekker Inc., New York, N.Y. 1994: 371-399.

Belin MW: Consultation Section. Journal of Cataract & Refractive Surgery 20:202, 1994

Belin MW, Hannush SB, Maloney RK, Riveroll L: Evaluation of Computerized Video-Keratotomy Decentering and Defocusing Error. Cornea 14:109, 1995.

Zobal-Ratner JL, Simon JW, Follett S, Zloty P, Belin MW, Turok D: Serious Ocular Burns from the Wood Ash of Fireplaces and Woodstoves. Trans American Assoc for Ped Ophthalmol and Strab, CRC Press, Boca Raton, 1995, pp 471-73

Wilson SE, Auran JD, Moazami C, Feldman ST, VanMeter WS, Belin MW, et.al.: Hepatitis C Virus (HCV) - Associated Mooren's Corneal Ulcers: Collaborative Study. Cornea 14:109-110, 1995.

Mozayani RM, Ditzhoff J, Belin MW: Long Term Retrospective Analysis of Corneal Transplants with Molteno Implants. Cornea 14:116, 1995

Belin MW, Ratliff CD, Ditzhoff J: Comparison of Color Topometry, Rasterphotogrammetry and Standard Black and White Videokeratography in the Analysis of Severely Distorted Corneas. Cornea 14:117, 1995.

Gordon JF, Johnson P, Musch DC, et.al.: Topical Fibronectin Ophthalmic Solution in the Treatment of Persistent Defects of the Corneal Epithelium. Am J Ophthalmol 119:281-287, 1995

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El Hage SG, Salz JJ, Belin MW, Costin JA, Gressel MG.: Corneal Topography as Measured by the EyeMap EH-270 in Corneal Topography: The State of the Art. Slack Inc. Thorofare, N.J., 1995, pp. 37-52.

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Lee JJ, Belin MW: Comparison of Subjectively Refracted Cylinder, Topographic Cylinder, and Topographic Guided Refractive Cylinder in Normal Patients. CORNEA, 15(2):220, 1996.

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Belin MW, Ratliff CD: Evaluating Data Acquisition and Smoothing Functions of Currently Available Videokeratoscopes. J Cataract Refract Surg 22:421-426, 1996.

Belin MW: Assessment of Refractive Surgical Procedures. Point of View - International Ophthalmic Journal (Italy), 4:13-16, 1996

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Belin MW, Cambier JL, Nabors JR, Zloty P: Raster-photogrammetry and the PAR System (PAR CTS) of Corneal Topography In Elander R, Rich L, Robin J (ed.): Principles and Practice of Refractive Surgery, W.B.Saunders Co., Philadelphia, PA, 1997, pp. 525 - 535.

Rich LF, MacRae S, Belin MW: Laser Surgeries: Instrumentation In Elander R, Rich LF, Robin J (ed.): Principles and Practice of Refractive Surgery, W. B. Saunders Co., Philadelphia, PA 1997, pp. 321- 326.

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Companion Handbook to the Cornea (book review) Arch Ophthalmol. 2000; 118: 1009

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Khachikian SS, Morason RT, Belin MW, Mishra G. Thin Head and Single Use Microkeratomes Reduce Epithelial Defects During LASIK” *J Refract Surg*. 2006;22:482-485

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Belin MW, Khachikian SS: New Devices & Clinical Implications for Measuring Corneal Thickness. *Clin & Exp Ophthalmol* 2006; 34: 729-731

Belin MW, Khachikian SS: Keratoconus: I know it when I see it.. *Amer J Ophthal*. *Am J Ophthalmol* 2007; 143:500 - 503

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Belin MW, Khachikian SS. Corneal Diagnosis and Evaluation with the OCULUS Pentacam. *Highlights of Ophthalmology* 2007; 35 (2):5 - 7, 2007

Ciolino JB, Khachikian SS, Belin MW. Long-Term Stability of the Posterior Cornea after Laser Insitu Keratomileusis, J Cataract Refract Sur. 2007 Aug; 33(8): 1366-70

Belin MW, Khachikian SS. New Developments in Corneal Topography. Vision Pan-America, Journal of the Pan-American Association of Ophthalmology Vol 6;3 : 6 – 9, 2007

Belin MW, Khachikian SS. Refractive Surgery & Corneal Disease. GOZDER: Ozel Goz Hastaneleri ve Merkezleri Dernegi Bulteni (Turkey)

Ciolino JB, Khachikian SS, Belin MW "Comparison of Corneal Thickness Measurements by Ultrasound and Scheimpflug Photography in Eyes that have undergone LASIK" Amer J Ophthal, 2008; 45:75-80

Khachikian SS, Belin MW, Ciolino JB. Intrasubject Pachymetric Asymmetry Analysis. J Refract Surg, 2008; 24:606-609

Szczotka-Flynn L, Slaughter M, McMahon T, Barr J, Edrington T, Fink B, Lass J, Belin MW, Lyengar S, CLEK Study Group. Disease Severity and Family History of Keratconus. Br J Ophthalmol. 2008 Aug;92(8): 1108-11.

Walker RN, Khackikian SS, Belin MW. Scheimpflug Imaging of Pellucid Marginal Degeneration. CORNEA 2008 Sep; 27(8):963-6

Belin MW. Keratoconus and Pre-Operative Screening. Expert Review in Ophthalmology. London (in press)

Cornea Donor Study Investigator Group. The effect of donor age on corneal transplantation outcome: results of the cornea donor study. Ophthalmology 2008; 115: 620-626

Cornea Donor Study Investigator Group. Donor age and corneal endothelial cell loss five years after successful cornea transplantation: specular microscopy ancillary study results. Ophthalmology 2008; 115:627-632.

Weiss JS, Moller H. Lisch W, et al. The IC3D Classification of Corneal Dystrophies. CORNEA 2008;27:S1-S42

Khachikian SS, Belin MW. Normal Values for Corneal Elevation using Scheimpflug Topography. (accepted for publication Clinical & Experimental Ophthalmology (CEO))

Hannush SB, Belin MW "Pressure-Induced Interlamellar Stromal Keratitis" in Management of Complications in Refractive Surgery, Springer, Berlin, Germany, 2008. Pp 47 - 49

Elevation Based Topography: Screening for Refractive Surgery. Belin MW, Khachikian SS (Editors). Highlights of Ophthalmology, City of Knowledge, Panama, 2008

Belin MW, Khachikian SS. Comparison of Anterior Chamber diameter measurements made by Scheimpflug photography and OCR, with automated white to white measurements. Clinical & Experimental Ophthal 2008; 36 (Suppl 2) A725

Belin MW, Khachikian SS. (ed) Elevation Based Topography. Highlights of Ophthalmology, City of Hope, Panama, 2008

Imaging the Anterior Segment: FOCAL POINTS Volume XXVII # 11, Dec. 2009, Belin MW (Consultant)

Belin MW, Khachikian SS. An Introduction to Understanding Elevation-Based Topography: How Elevation Data are displayed. Clin & Exp Ophthalmol. 2009; 37: 14-29

Khachikian SS, Belin MW. Posterior elevation in keratoconus. Ophthalmology. 2009;116:816

What is the Best Way to Determine the Residual Stromal Bed. Curbside Consults in Refractive Surgery. Slack Publishing (in press)

Khachikian SS, Belin MW. Clinical Characteristics of Keratoconus in Wang M, Swartz TS. Keratoconus and Kertatoectasia: Prevention, Diagnosis & Treatment. Slack Inc. 2009, Thorofare, New Jersey pp 43-50.

Kwon RO, Price MO, Price FW, Ambrosio R, Belin MW. Pentacam Characterization of Corneas with Fuchs'Dystrophy Treated with Descemet Membrane Endothelial Keratoplasty (DMEK). J Refract Surg 2010; 26(12):972-979.

Belin MW. Applications of Anterior Segment Tomography in Corneal Surgery. Highlights of Ophthalmology 2010; 2: 15 – 20.

Ciolino JB, Comyn O, Liu C, Belin MW. Types and Techniques of Keratoprosthesis in The CORNEA. Krachmer J, Mannis MJ, Holland EJ (ed). In press

Belin MW, Ambrosio R. Corneal Ectasia Risk Score System – “Statistical Validity and Clinical Relevance” J Refract Surg 2010; 26(4): 238 – 240

New technology in corneal imaging. Belin MW, Khachikian SS, McGhee CN, Patel D. Int Ophthalmol Clin. 2010 Summer;50(3):177-89.

Ambrosio R, Belin MW. Imaging of the Cornea: Topography vs Tomography. J Refract Surg 2010; 26(11): 847 - 849

Ambrosio R Jr, Dawson DG, Salomao M, Guerra FP, Caiado ALC, Belin MW. Corneal Ectasia after LASIK despite low risk: Evidence of Enhanced Sensitivity based on Tomographic and Biomechanical Findings on the unoperated stable fellow eye. J Refract Surg 2010; 26(11): 906-911

Khachikian SS, Belin MW. Bilateral corneal ectasia after laser in situ keratomileusis in patient with isolated difference in central corneal thickness between eyes. (letter to the Editor) J Cataract Surg 2010; 36(11): 2015

Kim JT, Cortese M, Belin MW, Khachikian SS, Ambrosio R Jr. Tomographic Normal Values for Corneal Elevation and Pachymetry in a Hyperopic Population. J Clin Experiment Ophthalmol 2011, 2:130 <http://dx.doi.org/10.4172/2155-9570.1000130>

Belin MW, Khachikian SS, Ambrosio R Jr. The Use of Intracorneal Rings for Pellucid Marginal Degeneration (letter to the Editor). Am J Ophthalmol 2011; 151(3): 558-559

Ambrosio R Jr., Nogueira LP, Caldas DL, Fontes BM, Luz A, Cazal JO, Alves MR, Belin MW. Evaluation of Corneal Shape and Biomechanics prior to LASIK. International Ophthalmology Clinics 2011; 51:11 – 38

Feng MT, Belin MW, Ambrósio R, Grewal SPS, Yan W, Shaheen MS, McGhee C, Maeda N, Neuhann TH, Burkhard Dick H, Alageel SA, Steinmueller A. Anterior Chamber Depth in Normal Subjects by Rotating Scheimpflug Imaging, Saudi Journal of Ophthalmology

2011; 25(3): 255-259.
doi:<http://dx.doi.org/10.1016/j.sjopt.2011.04.005>

Todani A, Ciolino JB, Ament JD, Colby KA, Pineda R, Belin MW, Aquavella JV, Chodosh J. Titanium Back Plate for a PMMA Keratoprosthesis Clinical Outcomes. *Graefes Arch Clin Exp Ophthalmol* 2011; 249:1515-1518. doi:10.1007/s00417-011-1684-y.

Belin MW. Syphilitic Retinitis and Uveitis (Correspondence). *Clin & Experimental Ophthalmology (CEO)* 2011; 39(7): 716

Belin MW, Asota IM, Ambrosio R Jr, Khachikian SS. What's in a name: Keratoconus, Pellucid Marginal Degeneration and Related Thinning Disorders. *Am J Ophthalmol* 2011; 152(2): 157-162

Feng MT, Belin MW, Ambrosio R, et. al. International Values of Corneal Elevation in Normal Subjects by Rotating Scheimpflug Camera. *J Cataract & Refract Surg* 2011; 37(10): 1817-1821

Ambrosio R Jr, Caiado AL, Guerra FP, Lousada R, Roy AS, Dupps WJ, Belin MW. Novel Pachymetric Parameters Based on Corneal Tomography for Diagnosing Keratoconus. *J Refract Surg* 2011; 27(10): 753-758

Stulting RD, Sugar A, Beck R, Belin MW, Dontchev M, et. al. Effect of Donor and Recipient Factors on Corneal Graft Rejection. *CORNEA* 2012 Oct;31(10):1141-7.

Feng MT, Kim JT, Ambrosio R, Belin MW, et. al. International Values of Central Pachymetry in Normal Subjects by Rotating Scheimpflug Camera. *Asia Pac J Ophthalmol* 2012; 00-5

Correia FF, Ramos I, Lopes B, Salomao MQ, Luz A, Correa RO, Belin MW, Ambrosio R. Topometric and Tomographic Indices for the Diagnosis of Keratoconus. *Int J Kerat Ect Cor Dis* 2012; 1(2):92-99

Khachikian SS, Belin MW. Ectatic Diseases of the Cornea: Keratoconus, Pellucid Marginal Degeneration & Keratoglobus. In Afshari NA, RA Copeland (ed). *Jaypee Brothers Medical Publishers* (in press)

Belin MW, Kim J, Zloty P, Ambrosio R. Simplified Nomenclature for Describing Keratoconus. *International Journal on Keratoconus & Ectatic Disease* 2012; 1(1): 31 - 35

Rudnisky CJ, Belin MW, Todani A, Zerbe BJ, Ciolino JB. Risk Factors for the Development of Retroprosthetic Membranes with Boston Keratoprosthesis. *Ophthalmology* 2012;119: 951-955

Belin MW. Preventing Post-operative Surprises in Refractive Surgery: Use of Scheimpflug Cross-Sectional Imaging & More. in *New Tendencies in Modern Ophthalmology*. Jaypee-Highlights Medical Publishers (in press)

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Ciolino JB, Belin MW, Todani A, AL-Arfaj K, Rudnisky CJ. Boston Keratoprosthesis Type 1 Retention Rates: Multicenter Study Results. *Ophthalmology* 2013; 120:1195-1200

Ramos IC, Belin MW, Valbon BF, Luz A, Pimentel LN, Caldas DL, Ambrosio R. Keratoconus Associated with Corneal Guttata. *Int J Kerat Ect Cor Dis* 2012; 1(3):173-178

Lopos B, Ramos IC, Correia FF, Luz A, Valbon BF, Belin MW, Ambrosio R. Correlation of Topometric and Tomographic Indices with Visual Acuity in Patients with Keratoconus. *Int J Kerat Ect Cor Dis* 2012; 1(3):167-172

Ramos IC, Correa R, Guerra FP, Trattler W, Belin MW, et. al. Variability of Subjective Classifications of Corneal Topography Maps from LASIK Candidates. *J Refract Surg*. 2013;29(11):770-

Zloty P, Villavicencio O, Belin MW. Aggressive Debridement Improves Outcome of Fungal Keratitis. *Asia Pacific Journal of Ophthalmology* 2(4):217-220, July/August 20113
DOI: 10.1097/APO.0b013e3182993f4b

Belin MW, Ambrosio R Jr. Scheimpflug Imaging for Keratoconus and Ectatic Disease. *Indian J Ophthalmol* 2013; 61(8): 401 – 406.
DOI: 10.4103/0301-4738.116059

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PRESENTATIONS: "Corneal Dystrophies," Ophthalmology Update, Stratton, Vermont, 1982

"Refractive Evaluation of the Triple Procedure: Cornea Transplant, Cataract Extraction, and Intraocular Lens," Ophthalmology Update, Lake Placid, New York, 1983

"Keratoconus - Early Diagnosis and Treatment," Contact Lens Symposium, Crystal City, Virginia, 1994 (invited speaker)

"Clinical Fitting Characteristics of Silicone (Silsight) Extended Wear Lenses," CLAO Mid-Meeting, San Diego, California, 1985

"Conjunctival Colonization in New House Officers," CLAO Mid-Winter National Meeting, Las Vegas, Nevada, 1986

"Corneal Edema - Diagnosis and Treatment," and "Scleritis and Episcleritis," American Academy of Ophthalmology Northeast Regional Update Course, Washington, D.C., 1986 (invited speaker)

"Slime as a Factor in Bacterial Adherence to Contact Lenses," (Poster Presentation) CLAO Mid-Winter National Meeting, Las Vegas, Nevada, 1987

"Choosing Between Extended Wear and Gas Permeable Contact Lenses," CLAO Mid-Winter National Meeting, Las Vegas, Nevada, 1987

- "New Techniques in Penetrating Keratoplasty," American Academy of Ophthalmology Northeast Regional Update Course, Washington, D. C., 1987 (invited speaker)
- "Anterior Segment Abnormalities," National Children's Eye Care Foundation, Ophthalmic Genetics: Update 1987, National Institute of Health, Bethesda, Maryland, 1987 (invited speaker)
- "Keratoconus: Evaluation of Recent Trends in the Surgical and Non-Surgical Correction of Keratoconus," American Academy of Ophthalmology Annual Meeting, Dallas, 1987
- "Unilateral Graft Rejection in Bilateral Antigen Identical Corneal Transplants," Eye Bank Association of America Scientific Session, Dallas, Texas, 1987
- "Medical and Surgical Management of Chemical Corneal Injuries," Walter Reed 12th Biennial Ophthalmology Postgraduate Course and Alumni Meeting, Bethesda, Maryland, 1988 (invited speaker)
- "Topical Cyclosporine A in High Risk Corneal Transplants," Association for Research in Vision and Ophthalmology (ARVO) (Poster Presentation), Sarasota, Florida, 1988
- "Alternative Methods of Contact Lens Fitting in Keratoconus," American Academy of Ophthalmology Annual Meeting, Las Vegas, Nevada, 1988 (invited speaker)
- "Topical Cyclosporin A in High Risk Corneal Allograft Recipients: Long Term Results and Evaluation of Epithelial Toxicity," American Academy of Ophthalmology (Poster Presentation), Las Vegas, Nevada, 1988
- "Management of Scleritis and Episcleritis" William Beaumont Hospital, Royal Oak, Michigan, 1989 (invited speaker)
- "Common Ocular Infections" American Academy of Physician Assistants National Meeting, Washington, D.C., 1989
- "Corneal and External Disease Update - Instructional Course" American Academy of Ophthalmology, New Orleans, Louisiana, 1989

"Immunology of Topical Cyclosporine" Immunologic Disorders of the Visual System, University of Dentistry of New Jersey, Atlantic City, New Jersey, 1990

"Corneal Topographical Analysis" and "Ocular Manifestations of Systemic Disease" Rochester Eye Institute Annual Seminar, Rochester, New York, 1990 (invited speaker)

"Use of Topical Immunosuppression in High Risk Keratoplasty" and "PAR Corneal Topography System" Moorfields Eye Hospital, London, England, 1990

"Topical Cyclosporine in High Risk Keratoplasty - The American Study" and "Computerized Corneal Modeling" Queen Victoria Hospital, East Grinstead, England, 1990

"The Immunology of Corneal Graft Rejection" Manhattan Eye and Ear Hospital, New York, New York, 1990 (invited speaker)

"Postoperative Management of High Risk Keratoplasty" Montifiore Hospital - Albert Einstein Medical Center, New York, New York, 1990 (invited speaker)

"The Use of Topical Cyclosporine A in High Risk Keratoplasty" The New York Hospital - Cornell Medical Center, New York, New York, 1990 (invited speaker)

"Episcleritis and Scleritis" External Disease and Cornea Course - American Academy of Ophthalmology, Atlanta, Georgia, 1990

"New Algorithms for use with the PAR Corneal Topography System" Third International Congress on Laser Surgery of the Cornea, Atlanta, Georgia, 1990

"PAR Technology Corneal Topography System" Association for Research in Vision and Ophthalmology (ARVO), Sarasota, Florida, 1991

"Approach to Contact Lens Fit in Keratoconus", "Topical Cyclosporine and Corneal Inflammatory Disease", and "Cyclosporine in the High-Risk Keratoplasty Patient" Mayo Clinic Ophthalmic Reviews: Update in Corneal and External Disease, Rochester, Minnesota, 1991 (invited speaker)

"Advances in Corneal Topography", Lenox Hill Hospital, New York, N.Y., 1991 (invited speaker)

"Update on Herpes Simplex", Thousand Islands Corneal & External Disease Symposium, Wellesley Island, New York, 1991 (invited speaker)

"PAR - Corneal Topography System Insensitivity to System Defocusing." International Society of Refractive Keratoplasty, Anaheim, CA, 1991

"Clinical Evaluation of Corneal Topography." American Academy of Ophthalmology Course, Anaheim, CA, 1991

"Granulocyte Colony Stimulating Factor in a HIV Patient with Pseudomonas Corneal Ulcer." Ocular Microbiology and Immunology Group Annual Meeting, Anaheim, CA, 1991 (Peter Zloty presenting)

"New Immunosuppressives in Ocular Disease," "Review of Corneal Topography." Medical University of South Carolina, Charleston, South Carolina, 1991 (invited speaker)

"Topographic Imaging of Freshly Deepithelialized and Keratectomized Corneas - The PAR Corneal Topography System." CLAO Mid-Winter meeting, Las Vegas, Nevada, 1992

"Cyclosporine and the Management of High Risk Keratoplasty" Audio Digest, March, 1992

"Intraoperative Topographic Analysis of Cadaver Eyes after Erbium:YAG Photoablation" American Society of Cataract and Refractive Surgery Annual Meeting, San Diego, CA, 1992

"Premier Laser Systems Erbium:YAG Photokeratectomy" Industry Symposium on Solid State Refractive Lasers, San Diego, CA, 1992

"Diagnosis and Treatment of the Red Eye" New York State Coalition of Nurse Practitioners Annual Meeting, Lake George, N.Y. 1992

"Atypical Infectious Crystalline Keratopathy" Ocular Microbiology and Immunology Group Meeting, Dallas, TX, 1992

- "The Integration of Computerized Topography with Photoablative Laser" International Society of Refractive Keratoplasty Annual Meeting, Dallas, TX, 1992
- "Instrumentation Available to Evaluate the Corneal Surface," "Cyclosporine," and "High Risk Keratoplasty" Contact Lens Association of America (CLAO) Annual Meeting, Las Vegas, Nevada, 1993 (invited speaker)
- "Overview of Corneal Topography and Contact Lens Fitting," University of Alabama School of Optometry Annual Review, Dothan, Alabama, 1993 (invited speaker)
- "Evaluation of a Low Cost, Hand Held, Direct Reading Microscope for Measuring RK Blade Extension," American Society of Cataract and Refractive Surgery (ASCRS) Annual Meeting, Seattle, WA, 1993
- "Corneal Topography: Its Role in Corneal Transplantation," Eye Bank Association of America (EBAA) Annual Meeting, San Diego, CA, 1993 (invited speaker)
- "Evaluation of Auto-Focus and Pinhole Function of the Visioptic EH-270 Corneal Topography System" International Society of Refractive Surgery Annual Meeting, Chicago, IL., 1993
- "Real Time Corneal Topography will Control Refractive Surgical Procedures" American Academy of Ophthalmology Annual Meeting, Chicago, IL., 1993 (invited speaker)
- "Corneal Topography - Indications and Methodologies" American Academy of Ophthalmology Annual Meeting, Chicago, IL., 1993 (invited speaker)
- "Corneal Topography in Primary Eye Care" Instructional Course, American Academy of Ophthalmology Annual Meeting, Chicago, IL., 1993
- "Erbium and Holmium Lasers" New York Eye & Ear Infirmary - Corneal and Refractive Surgery 1994: A Preview, New York, N.Y. 1993 (invited speaker)
- "New Techniques in Corneal Topography" New York Eye & Ear Infirmary - Corneal and Refractive Surgery 1994: A Preview, New York, N.Y. 1993 (invited speaker)

"Screening for Keratoconus" CLAO Annual Meeting, Las Vegas, NV., 1994 (invited speaker)

"Corneal Topography for the General Ophthalmologist" Instructional Course, CLAO Annual Meeting, Las Vegas, NV., 1994

"Corneal Topography in Incisional Refractive Surgery" Radial and Astigmatic Workshop (CLAO sponsored), Las Vegas, NV., 1994

"Alcon EyeMap EH-270 Corneal Topography Instrument" Royal Hawaiian Eye Meeting, Maui, Hawaii, 1994

"New Antibiotics and Anti-infectives in External Ocular Disease" Visiting Professor Loyola University, Maywood, IL., 1994

"An Evaluation and Comparison of Currently Available Corneal Topographic Equipment" Suffolk Ophthalmology Society, West Islip, N.Y., 1994 (invited speaker)

"Serious Ocular Alkali Burns from the Wood Ash of Fireplaces and Woodstoves" (Jitka Zobel-Ratner, M.D. presenting) American Association of Pediatric Ophthalmology and Strabismus Annual Meeting, Vancouver, B.C., 1994

"Corneal Topography in the General Ophthalmic Practice" Current Concepts in Anterior Segment Disorders, Mary Imogene Bassett Hospital, Cooperstown, N.Y., 1994 (invited speaker)

"Use of Combined Elevation and Curvature Maps in the Detection of Keratoconus" International Society of Refractive Keratoplasty (ISRK), San Francisco, CA., 1994

"A Comparison of Color Topometry, Rasterphotogrammetry, and Standard Black and White Videokeratography in the Analysis of Severely Distorted Corneas" Eye Bank Association of America (EBAA) Annual Scientific Session, San Francisco, CA., 1994

"Evaluation of Computerized Video-Keratotomy Decentering and Defocusing Error" Castroviejo Corneal Society Annual Scientific Session, San Francisco, CA., 1994

"Long Term Retrospective Analysis of Corneal Transplants with Molteno Implants" Eye Bank Association of America (EBAA) Annual Scientific Session, San Francisco, CA., 1994

"Hepatitis C Virus (HCV) - Associated Mooren's Corneal Ulcers: Collaborative Study" Castroviejo Corneal Society Annual Scientific Session, San Francisco, CA., 1994

"Corneal Topography in Primary Eye Care" Instructional Course, American Academy of Ophthalmology Annual Meeting, San Francisco, CA., 1994

"Comparison of Commercially Available Videokeratoscopes" Contact Lens Association of America (CLAO) Annual Meeting, Las Vegas, NV, 1995 (invited speaker)

"Applications of Corneal Topography in Clinical Practice: The Alcon EyeMap" Video Refrattiva 1995, Milan, Italy, 1995 (invited speaker)

"Evaluating Point Accuracy of Current Computerized Videokeratoscopes" American Society of Cataract and Refractive Surgery (ASCRS) Annual Meeting, San Diego, CA, 1995 (Best Paper of Session Award)

"Evaluation of Data Point Density and Smoothing Functions of Currently Available Computerized Video-keratoscopes. ARVO Annual Meeting, Ft. Lauderdale, FL, 1995

"Measurements Issues in Corneal Topography" & "Use of Elevation Detection Topography in Photo-Refractive Keratectomy" I.S.R.S.- Mid-Summer Symposium, Minneapolis, MN, 1995 (invited speaker)

"The Effect of Donor Variables in Graft Viability" (Mehrdad Aghai, M.D. presenting). EBBA Scientific Session, Atlanta, GA., 1995

"Beyond the Placido Disc: New Horizons in Corneal Topography" International Society of Refractive Surgery (ISRS) Annual Meeting, Atlanta, GA, 1995 (invited speaker)

"Correlation of Topographic & Subjective Astigmatism: Implications to Refractive Surgery" (John J. Lee presenting) ISRS Annual Meeting, Atlanta, GA., 1995

"How Complex Can Contact Lens Fitting Get - Fitting Contacts on PRK & RK" American Academy of Ophthalmology (AAO) Annual Meeting, Atlanta, GA., 1995 (invited speaker)

"Comparison of Subjectively Refracted Cylinder, Topographic Cylinder and Topographic Guided Refractive Cylinder in Normal Patients" (John J. Lee presenting) Castroviejo Corneal Society Annual Meeting, Atlanta, GA., 1995

"Regulatory Issues in Refractive Surgery" American Academy of Ophthalmology (AAO) Annual Meeting, Atlanta, GA., 1995 (invited speaker)

"State of the Art in Computerized Corneal Topography" New York Eye and Ear Infirmary 175th Anniversary Conference, New York, N.Y., 1995 (invited speaker)

"Topographic Application in PRK" Excimer Laser Surgery Course. University of Ottawa Eye Institute, Ottawa, Canada, 1995 (invited speaker)

"Understanding Topography in the PRK Patient" Michigan Ophthalmological Society, Southfield, MI, 1996 (invited speaker)

"Computerized Topography and PRK" & "FDA Current Status" 1996 CLAO Annual Meeting, Las Vegas, NV (invited speaker)

"Current Status of the LaserSight Compak-200 Phase 2a Study" & "Elevation Detection Topography in Evaluating PRK Ablation Depth and Centration" 1996 Pacific Coast Refractive Symposium, Whistler, British Columbia, Canada (invited speaker)

"Corneal Topography, Basic Principles, Comparison of Machines" & "Role of Topography in Excimer Surgery" Alcon VISX Excimer Laser Course, Cape Girardeau, MO, 1996 (invited speaker)

"LaserSight Compak-200 Excimer Initial Phase 2a Results" World Congress on the Cornea IV, Orlando, FL., 1996

"Clinical Experience with PRK: Pre-Op, Surgical, & Post-Op" Primary Care for Optometry Spring Conference, Saratoga Springs, N.Y., 1996 (invited speaker)

"Excimer Photorefractive Surgery: Pre-Operative Evaluation" and "Update of Refractive Lasers" State University of New York School of Optometry Meeting, New York, N.Y., 1996 (invited speaker)

"Pseudo-Decentration: Anomalous Determination of PRK Centration with Curvature Analysis and Comparison to Elevation

- Detection Topography" American Society of Cataract and Refractive Surgery Annual Meeting, Seattle, WA., 1996
- "Evaluation of Currently Available Video-Keratoscopes" 9th Annual German Ophthalmic Surgeons Meeting, Nuremberg, Germany, 1996 (invited speaker)
- "Topographic Applications in PRK: Present and Future" Canadian Ophthalmic Society Annual Meeting, Ottawa, Canada, 1996 (invited speaker)
- "The Comparison of Subjectively Determined Astigmatism and Topographic Astigmatism and its Implications in Refractive Surgery," "The Use of Elevation Detection Topography in the Evaluation of Post-PRK Patients" Canadian External Disease and Corneal Society Annual Meeting, Ottawa, Canada, 1996
- "Analysis of Topography as an Input Device for Astigmatic PRK" Ocular Surgery News Symposium on Cataract and Refractive Surgery, New York, N.Y. 1996 (invited speaker)
- "How to Manage Central Islands" Reshaping the Future: Refractive Surgery, American Academy of Ophthalmology Subspecialty Day, Chicago, IL. 1996 (invited speaker)
- "Topographical Analysis - The Path to a Better Understanding of Refractive Surgery" American Academy of Ophthalmology Annual Meeting, Chicago, IL. 1996 (invited speaker)
- "Topographical Analysis in Refractive Surgery" San Diego Naval Hospital, San Diego, CA, 1996
- "Laser Vision Correction: The use of Lasers to Reshape the Corneal Surface" New York State Section of the American Physical Society, Colgate University, Hamilton, NY, 1997 (invited speaker)
- "Excimer Laser Calibration *ExcaliPar* using Topographic Analysis of Ablations on Cross-Linked Collagen" & "Excimer Re-Treatment Planning Using Elevation (PAR CTS) Topography" American Society of Cataract and Refractive Surgery Annual Meeting, Boston, MA, 1997
- "Clinical Experience with PRK: Updated" Primary Care for Optometry Annual Meeting, Saratoga Springs, NY, 1997 (invited speaker)

"Astigmatic Excimer Treatment" & "Corneal Topography and Evaluation Post PRK Patient" 42nd Annual Rochester Ophthalmology Conference, Rochester, NY, 1997 (invited speaker)

"Determining the Resolving Power of the Cornea Utilizing Ray Tracing Analysis" 10th Annual German Ophthalmic Surgeons International Symposium, Nurnberg, Germany, 1997.

"Understanding Curvature and Elevation Maps" Eye Bank Association of America Annual Meeting, Palm Beach, FL, 1997 (invited speaker)

"History, Current Usage and the Future of Topography" Swiss Annual Ophthalmology Society Meeting, Lugano, Switzerland 1997 (invited speaker)

"Elevation Based Topography," "Clinical Value of Topography for Refractive Surgeon," "Second and Third Generation Laser Technology," & "The use of Topography in PRK Retreatment Planning" The Sally Letson Symposium - University of Ottawa, Ottawa, Canada, 1997 (invited speaker)

"Modern Corneal Topography - Breakfast with the Experts" American Academy of Ophthalmology Annual Meeting, San Francisco, CA, 1997 (invited speaker)

"Elevation Based Topography in Refractive Surgery" Visiting Professor Lecture Series, Jules Stein Eye Institute - UCLA, Los Angeles, CA, 1998

"VISX Star Hyperopia Optical Analysis Utilizing TechnoMed C-Scan Ray Tracing and Refractive Power Maps" American Society of Cataract and Refractive Surgery (ASCRS) Annual Meeting 1998, San Diego, CA

"Understanding Clinical Topography" & "Clinical Problems in Refraction" Greater New York Ophthalmology Lecture Series, Manhattan Eye & Ear Hospital, New York, N.Y. 1998

"LASIK: A Comparison of Available Microkeratomes" American Academy of Ophthalmology Refractive Surgery Specialty Day 1998, New Orleans, LA

“Laser and Incisional Astigmatic Surgery” Instructional Course,
American Academy of Ophthalmology Annual Meeting 1998, New
Orleans, LA

“Treatment of Overcorrected PRK using PTK under Epithelial Auto-
Fluorescence Guidance” American Society of Cataract and
Refractive Surgery Annual Meeting, Seattle, WA 1999

“Corneal Complications of LASIK” & “Corneal Topography” Sally
Letson Symposium, University of Ottawa Eye Institute, Ottawa,
Canada, 1999

“Laser and Incisional Astigmatic Surgery” Instructional Course,
American Academy of Ophthalmology Annual Meeting 1999,
Orlando, FL

“Clinical Problems in Refraction,” “Basics of Corneal Topography,”
“Complications in LASIK Surgery” Visiting Professor,
Washington University School of Medicine – Barnes-Jewish
Medical Center Department of Ophthalmology, St. Louis, MO,
1999

“Corneal Dystrophies,” “Clinical Problems in Refraction” Visiting
Professor, University of Ottawa, Ottawa, Ontario, Canada, 2000

“Clinical Experience with the MORIA One Disposable
Microkeratome” ASCRS Annual Meeting 2000, Boston MA

“New & Emerging Technologies in Refractive Surgery,” “LASIK
Complications: Diagnosis & Management,” “Microkeratomes,”
“Problem Solving in Optics” Hawaii Ophthalmology Society Mid-
Winter Meeting, Honolulu, HI, 2000

“Emerging Technologies in Refractive Surgery” 53rd Annual Wills
Eye Hospital Conference, Philadelphia, PA, 2001

“Epithelial Defects in LASIK: Associations & Risk Factors” ASCRS
Annual Meeting, San Diego, CA 2001 (Best Paper of Session)

“New & Emerging Technologies in Refractive Surgery” Glens Falls
Association for the Blind Primary Eye Care Conference,
Queensbury, NY, 2001

“LASIK Complications,” “Refractive Surgery Case Presentations”
National Medical Center, Taipei, Taiwan, 2001

“Problems in Refraction” EBAA Annual Meeting, Tuscon, AZ, 2001

“New Techniques in Penetrating Keratoplasty” Visiting Professor
Wills Eye Hospital, Philadelphia, PA., 2001

“Evalation of the Disposable MORIA Microkeratome” ISRS Annual
Meeting, New Orleans, LA., 2001

“DLK Masquerade Syndrome” Castroviejo Corneal Society Annual
Meeting, New Orlenais, LA., 2001

“New Techniques in Penetrating Keratoplasty” “Emerging
Refractive Technology” “Clinical Problems in Refraction”
University of Ottawa (visiting Professor), Ottawa, Ontario, Canada,
2002

“LASIK Complicatons” “Evaluation of Currently Available
Microkeratomes” 29th International Congress of Ophthalmology
(invited speaker), Sydney, Australia, 2002

“The Effect of Epithelial Disruption on the Long-Term LASIK
Enhancement Rate” “New Techniques in Penetrating Keratoplasty”
“Diagnosis & Etiology of Diffuse Lamellar Keratitis” American
Society of Cataract & Refractive Surgery (ASCRS) Annual Meeting,
Philadelphia, PA, 2002

“Long-Term effects of Epithelial Abnormalities during LASIK”
Canadian Ophthalmological Society (COS) Annual Meeting, Hull,
Quebec, Canada, 2002

“Evaluating of New Techniques in Penetrating Keratoplasty” Eye
Bank Association of America Annual Meeting 2002, Sawgrass, FL

“Conductive Keratoplasty” CORNEA 2002, London, England

“New Techniques in Corneal Surgery” Visiting Professor, University
of Ottawa, Ottawa General Hospital, Ontario, Canada 2003

“New Techniques in Penetrating Keratoplasty” & “Emerging
Technologies in Corneal Transplantation” ASCRS Annual Meeting,
San Francisco, CA 2003

“New Techniques in Corneal Surgery,” “What’s New in Corneal
Topography” Royal Australian and New Zealand College of
Ophthalmology (RANZCO) Annual Meeting, Auckland, New
Zealand, 2003

“Disposable Microkeratomes” Refractive Surgery Interest Group (RSIG) Annual Meeting, Anaheim, CA 2003

“Early Results with the Dohlman-Doane Type 1 Keratoprosthesis” Combined CORNEA Society / EBAA Annual Scientific Session, Anaheim, CA 2003

“Hot Topics Symposium - New Techniques in Penetrating Keratoplasty” “Management of IOL’s with Penetrating Keratoplasty” (invited talks) American Society of Cataract & Refractive Surgery (ASCRS) 2004 Annual Meeting, San Diego, CA

“Intra and Inter-observer Variability in Central Pachymetry by Rotating Scheimpflug Imaging (Gautam Mishra, M.D. presenting) American Society of Cataract & Refractive Surgery (ASCRS) 2004 Annual Meeting, San Diego, CA

“New Technologies for Corneal Replacement” Visiting Professor, University of California at Irvine, Irvine, CA 2004

“Boston Keratoprosthesis – Breakfast with the Experts” American Academy of Ophthalmology Annual Meeting 2004, New Orleans, LA

“Thermal Keratoplasty & Presbyopia Correction” BCSC Course, American Academy of Ophthalmology Annual Meeting 2004, New Orleans, LA

“Glaucoma Evaluation in Patients with the Boston Keratoprosthesis” World Cornea Congress 2005, Washington, DC (presented by Stephen Spitzer)

“Initial Results from the Multi-Center Boston K-Pro Study Group” World Cornea Congress 2005, Washington, DC (presented by Brian Zerbe)

“Is it Keratoconus or not” World Cornea Congress 2005, Washington, DC

“Recent Advances in Keratoplasty – Cornea Transplantation: The Requisites” American Society of Cataract & Refractive Surgery Annual Meeting 2005, Washington, DC

“Lunch with the Experts – Boston Keratoprosthesis” American Society of Cataract & Refractive Surgery Annual Meeting 2005, Washington, DC

“Analysis of Mutations in the Gene for the Apha 2 Chain of Type VIII Collagen (COL8A2) in Families and Cases with Fuchs’ Endothelial Dystrophy” Association of Research & Vision in Ophthalmology (ARVO) Annual Meeting 2005, Ft. Lauderdale, FL (S.K. Iyengar presenting)

“Initiation of a Multi-Center Study to Map Genes for Fuchs’ Endothelial Cornea Dystrophy” (poster) Association of Research & Vision in Ophthalmology (ARVO) Annual Meeting 2005, Ft. Lauderdale, FL (J. H. Lass presenter)

“Elevation –Based Scheimpflug Topography” “Preoperative Refractive Surgery Screening for Keratoconus” 2005 ISRS/AAO Meeting – Emerging Trends in Refractive & Cataract Surgery. Hong Kong, China

“Evaluation of Post-LASIK Changes on the Posterior Cornea Surface” & “Pre-Operative Screening for Keratoconus” Reractive On-line 2005, Istituto Clinico Humanitas, Milan, Italy

“Corneal Topography: Curvature, Elevation and its Understanding” “Pre-Operative Evaluation of Keratoconus” and “Post LASIK Corneal Ectasia Evaluation” Visiting Professor University of Michigan Kellog Eye Center, Ann Arbor, MI, 2005

“Evaluating the Posterior Corneal Surface” International Society of Refractive Surgery Annual Meeting 2005, Chicago, IL

“Changes to the Corneal Surface after LASIK and PRK” (Joseph Ciolino presenting) Federated Cornea Societies 2005 Annual Meeting, Chicago, IL

“Boston Keratoprosthesis” & “Thermal Keratoplasty” & “Presbyopia Surgery” & “Fellowship Certification” & “Multi-Center Study on the Boston Keratoprosthesis” American Academy of Ophthalmology Annual Meeting 2005, Chicago, IL

“Multi-Center Update on the Boston Keratoprosthesis” Royal Australian & New Zealand College of Ophthalmology Annual Meeting 2005, Hobart Tasmania

“Measurement of Posterior Elevation Changes after LASIK with Scheimpflug Imaging” European Society of Cataract & Refractive Surgeons (ESCRS) Mid-Winter Meeting 2006, Monte Carlo, Monaco

“Results of the Multi-Center Study Group on Boston Type 1 Keratoprosthesis,” “Keratoprosthesis for High Risk Keratoplasty,” “Cornea Topography – What are we Measuring,” “Dohlman Dohne Keratoprosthesis” World Ophthalmology Congress / International Congress of Ophthalmology, Sao Paulo, Brazil, 2006

“Evaluation of the Refractive Surgery Patient,” “Topographic Case Presentations” CORNEA Day 2006, San Francisco, CA

“Interpretation & Use of Scheimpflug Imaging,” “New Techniques in Keratoplasty” American Society of Cataract & Refractive Surgery (ASCRS) Annual Meeting, San Francisco, CA 2006

“Cornea Topography: Truth or Consequences” “Pachymetric Asymmetry” “Fusarium Keratitis” ASCRS Summer Refractive Symposium 2006, Boston, MA

“Improving Outcomes & Reducing Risk in Refractive Surgery” ESCRS Annual Meeting 2006, London, UK

“Scheimpflug Corneal Analysis” Refractiva Symposium 2006, Istituto Clinico Humanitas, Milan, Italy

“Results of Multi-Center Boston Keratoprosthesis Study” EVER Annual Meeting 2006, Faro, Portugal

“Understanding Elevation Based Topography” Glasgow, Scotland 2006

“Ocular Imaging in the 21st Century” “Mitomycin C in Refractive Surgery” Royal Australian & New Zealand College of Ophthalmology Annual Meeting (RANZCO) 2006, Sydney, NSW, Australia

“Surgical Correction of Presbyopia” “Technological Advances in the Diagnosis of Ectatic Conditions” “Keratoprosthesis Update” American Academy of Ophthalmology Annual Meeting 2006, Las Vegas, NV

“Importance of the Posterior Cornea Surface in the Quest for Quality Vision” Ophthalmologia Belgica 2006, Brussels, Belgium

Visiting Professor – John J. Skowron Lecturer “Elevation Based Corneal Analysis” “ Boston Keratoprosthesis” Loyola University, Stritch School of Medicine, Chicago, IL 2006

"Variability in Pre-Op & Operative Parameters with Implications for Refractive Surgery" Mid-Winter ESCRS Annual Meeting, Athens, Greece, 2007

"New Developments in Corneal Topography" "Keratoprosthesis Update" Visiting Professor University of Ottawa, Ottawa, Ontario, Canada

"New Trends in Corneal Replacement" "Risk Assessment for Post LASIK Ectasia" "Modern Topographic Analysis" "Advances in Keratoprosthesis Surgery" Washington Academy of Eye Physicians & Surgeons Annual Meeting, Seattle, WA 2007

Multi-center Boston Keratoprosthesis Study Group Rapid Visual Rehabilitation: 1 Week Post-Operatively J.B. Ciolino, MD; S.S. Khachikian; B.L. Zerbe, MD; M. W. Belin, MD . ARVO Poster Presentation, Fort Lauderdale, FL, 2007

"Elevation Based Topography" "Variability in the Pre-Operative Assessment of the Refractive Surgery Patient" "The Use of Mitomycin (MMC) in Refractive Surgery" University of California at Davis Annual Meeting, Napa, CA 2007

"Pre-Operative Assessment for Keratoconus and Ectasia" Pan American Association of Ophthalmology (PAAO) Annual Meeting, Cancun, Mexico 2007

"Boston KPro Collaborative Study Results" European Association for Vision and Eye Research (EVER), Portoroz, Slovenia 2007

"Understanding Elevation Based Topography" Turkish National Ophthalmology Meeting, Antalya, Turkey, 2007

"Treatment Options for Patients with Multiple Immunologic Graft Rejections" AAO Cornea Sub-Specialty Day, New Orleans, LA, 2007

"The use of Permanent and Temporary Keratoprosthesis in Traumatized Eyes" American Academy of Ophthalmology Annual Meeting, New Orleans, LA 2007

“Femtosecond vs Mechanical LASIK Flaps: What is the Difference”
Royal Australia & New Zealand College of Ophthalmology Annual Meeting, Perth, Australia, 2007

“The Different Uses of Cyclosporine for the Prevention of Rejection in High Risk Keratoplasty” 12th International Cornea Surgery & Diseases Meeting 2008, Barcelona, Spain

“Normal Elevation Topography Values in Refractive Surgery Candidates” “Comparison of AC Diameter Measurements Made by Scheimpflug Photography and OCT with Automated White to White Measurements” (Stephen S Khachikian presenting), Winter ESCRS Meeting, Barcelona, Spain 2008

“Treatment of Recurrent Immune Mediated Graft Rejection” Asia Cornea Society 2008, Singapore

“Understanding Elevation Based Topography” Singapore National Eye Center Annual Meeting 2008, Singapore

“Elevation Topography Pearls” CORNEA Day 2008, Chicago, IL

“Boston Keratoprosthesis: Prognostic Indicators” “Basics of Elevation Based Topography” “Belin-Ambrosio Enhanced Ectasia Display” 2008 American Society of Cataract & Refractive Surgery (ASCRS) Annual Meeting, Chicago, IL

“Keratoprosthesis in Ocular Surface Disease” IV International Symposium of the Ocular Surface, Bilbao, Spain, 2008

“Keratoconus vs Pellucid Marginal Degeneration” Cornea Sub-Specialty Day – American Academy of Ophthalmology 2008, Atlanta, GA

“Multicenter Boston Keratoprosthesis Study” American Academy of Ophthalmology, Atlanta, GA

“Secondary IOL combined with PK” “Medicinal Herbs in Ophthalmology” “Comparison of Technologies for White to White Measurement” Royal Australia & New Zealand College of Ophthalmology Annual Meeting, Melbourne, Australia 2008

“The Boston Keratoprosthesis” “Use of Immunosuppression in High Risk Keratoplasty” “Understanding Elevation Based Topography” “Keratoconus Detection” King Khaled Eye Specialist Hospital Annual Meeting, Riyadh, Saudi Arabia

“The Management of High Risk Keratoplasty – Boston Keratoprosthesis” “The Management of High Risk Keratoplasty – Immunosuppression” MEACO 2009, Bahrain

“Elevation vs Placido” “Derivation of the Enhanced Reference Surface” “Elevation Topography” American Society of Cataract and Refractive Surgery Annual Meeting 2009, San Francisco, CA

“Screening for Ectatic Disease” “The Use of Elevation Based Topography in the Diagnosis of Keratoconus” Keratoconus from A to Z. Levant Hospital, Beirut, Lebanon

“Clinical Refraction Case Studies” “Understanding Cornea Topography” Visiting Professor – University of Toronto, Toronto, Canada

“Pachymetry: often overlook and misunderstood” “Why is Diagnosing Keratoconus so Difficult (Special APAO Lecture)” “Is it Keratoconus or Not” “Attributes, Benefits & Limitations of Scheimpflug Imaging” 2009 Asia Pacific Association of Ophthalmology (APAO), Bali, Indonesia

“Keratoprosthesis as an alternative to Repeat Keratoplasty” “Understanding Scheimpflug Imaging of the Cornea” Israeli Cornea Club Annual Meeting 2009. Hamat Gader Village, Israel

“Diagnosing Keratoconus” “LASIK Risk Analysis Scoring System” “Understanding Elevation Based Topography” SOE Annual Meeting 2009, Amsterdam, Netherlands

“Understanding Elevation Based Topography” “Screening for Keratoconus” Chinese Ophthalmology Annual Meeting 2009, Chongqing, China

“Elevation Based Topography” “Keratoprosthesis” “Immunosuppression in High Risk Keratoplasty” “Screening for Keratoconus” Visiting Professor McGill University, Montreal Canada, 2009

“Corneal Tomography” “Essential of Elevation Topography” “Techniques & Instrumentation for Full-Thickness Keratoplasty” European Society of Cataract & Refractive Surgery (ESCRS) Annual Meeting, Barcelona, Spain 2009

“Keratoconus & Ectatic Disorders” “Placido Marginal Degeneration”
“Curvature vs Elevation Topography” Refractive-on-line, Milan,
Italy 2009

“Preoperative Screening for Keratoconus & Ectatic Disorders”
“Basics of Elevation Topography” United Kingdom & Ireland
Society of Cataract & Refractive Surgery (UKISCRS) Annual
Meeting, Leeds, UK 2009

“Component Lamellar Surgery – Where are we at?” Royal Australia
& New Zealand College of Ophthalmology (RANZCO) Annual
Meeting, Brisbane, Australia 2009

“Understanding Elevation Based Topography” “Refractive Surgical
Screening” “Keratoprosthesis Surgery” “Immunosuppression for
High Risk Keratoplasty” University of Montreal / McGill University,
Montreal, Canada 2009

“The Early Detection of Keratoconus” The Chinese Ophthalmology
Society Annual Meeting (COS) 2009, Chongqing, China

“How to Read the Cornea to Avoid Problems” “Instrumentation
Required for Full Thickness Transplantation” “Review of Cornea
Trepines” European Society of Cataract and Refractive Surgery
(ESCRS) Annual Meeting 2009, Barcelona, Spain

“Elevation Topography in the Evaluation of the Refractive Surgery
Patient” Refractive On-line 2009, Milan, Italy

“Understanding Elevation Based Tomography” “Screening for
Keratoconus” United Kingdom & Ireland Cataract and Refractive
Surgery Society (UKICRS) Annual Meeting, Leeds, Great Britain,
2009

“Surgical Instrumentation, Sutures, Needles” Royal Australian &
New Zealand College of Ophthalmology Ophthalmic Skills
Workshop (East Timor Eye Project), Brisbane, Australia 2009

“Component Lamellar Corneal Surgery” RANZCO Annual Meeting
2009, Brisbane, Australia

“Basics of Elevation Based Topography” “Screening for
Keratoconus & Ectatic Disease” “LASIK Ectasia Risk Score: A
Critique” “Belin/Ambrosio Enhance Ectasia Score” “Mitomycin C in
Refractive Surgery: Pros & Cons” Bascom Palmer Cataract &
Refractive Surgery Annual Meeting 2010, Miami, FL

“Evaluation of the Ectasia Risk Score,” “Understanding Elevation Based Tomography” Visiting Professor, Jules Stein Eye Institute UCLA, Los Angeles, CA 2010

“How to diagnosis Form Fruste Keratoconus” World Cornea Congress 2010, Boston, MA

“Cornea Tomography & Biomechanics for Enhanced Ectasia Screening” “New Horizons in Cornea Surgery” “Best of World Cornea Congress” American Society of Cataract & Refractive Surgery 2010 Annual Meeting, Boston, MA

“Detection of Keratoconus” Royal College of Ophthalmologists Annual Congress 2010, Liverpool, Great Britain

“Tomographic Normal Values for Elevation and Pachymetry in a Hyperopic Population” World Ophthalmology Congress 2010, Berlin, Germany

“Preoperative Screening for Keratoconus & Ectasia” AUSCRS / APACRS Annual Meeting, Cairns, Australia 2010

“Boston Keratoprosthesis Instructional and Surgical Course” Visiting Professor Liaoning Province Northern Military Hospital, Shenyang, China, 2010

“Elevation Normal Values in a Hyperopic Population” “Understanding Based Topography” “Enhanced Ectasia Screening for Refractive Candidates” “Update in Penetrating and Lamellar Keratoplasty Techniques” European Society of Cataract and Refractive Surgery (ESCRS) Annual Meeting 2010, Paris, France

“Ectasia Risk Score: Good Science, Bad Practice” “Keratoprosthesis and Glaucoma” “Boston Keratoprosthesis: Techniques & Results” Asia Pacific Academy of Ophthalmology (APAO) Annual Meeting 2010, Beijing, China

Corneal Biomechanical Assessment using Dynamic Ultra High Speed Scheimpflug Imaging and Non-Contact Tonometry. Ambrosio R. (presenting), Steinmueller AS, Krug M, Belin MW. ISRS Annual meeting, Chicago, IL 2010

Belin/Ambrosio Display (BAD) Enhanced Sensitivity to detect Mild Abnormalities in Very Asymmetric Keratoconus. Ambrosio R, Pimentel LN, Ramos I, Salomao MQ, Guerra FP, Valbon B,

Canedo AL, Belin MW. (poster) ISRS Annual Meeting, Chicago, IL 2010

“Analysis of Ectasia Risk” Royal Australia & New Zealand College of Ophthalmology Annual Meeting 2010, Adelaide, Australia

“New Concepts in Corneal Replacement Surgery” Wenzhou Medical College, Wenzhou, China 2010

“Refractive Applications of Scheimpflug Imaging” Hangzhou, China 2010

“Boston Keratoprosthesis as an Alternative to Penetrating Keratoplasty” “Scheimpflug Imaging of the Cornea & Anterior Segment” 2nd Annual Asia Cornea Society Meeting (2010), Kyoto, Japan

“My Surgical Approach to DSEK” “Ectasia Risk Score: Is it Applicable” Asia Pacific Academy of Ophthalmology Annual Meeting 2011, Sydney, Australia

“Understanding Elevation Tomography” “Customized Normal Elevation Values – International Data Base” SICSSO / Refractive online (Society of Italian Ocular Surface Disease) Grosseto, Italy 2011

“3D Cornea tomography in Corneal Disease” “Boston Type 1 in the Developing World: Challenges” EuCORNEA 2011, Vienna, Austria

“Advance Optics Gullstrand: Tomography vs Topography” “Geographic Variation of Corneal Elevation Values by Scheimpflug Imaging” “Understanding Elevation Based Tomography” “Cornea Transplant Surgical Course” “Concepts for Tomographic Corneal Elevation” ESCRS Annual Meeting 2011, Vienna, Austria

“Role of Tomography & Biomechanics for Diagnosis, Prognosis & Treatment Planning of Ectatic Diseases” EuKeratoconus 2011, Bordeaux, France

“Scheimpflug vs Placido” invited paper, ISRS Refractive Subday Annual Meeting, Orlando, FL 2011

“Normal Astigmatism vs Keratoectasia” invited paper, American Academy of Ophthalmology Annual Meeting 2011, Orlando, FL

“Ectasis Risk Analysis” “Understanding Elevation Tomography” XII International Congress Modern Technologies in Cataract and Refractive Surgery 2011, Moscow, Russia

“Techniques & Instrumentation for DS(A)EK” “Analysis of Ectasia Risk” “Elevation Based Corneal Tomography” 62nd Annual Post-Graduate Review Course Upstate Medical Center 2011, Syracuse, New York

“Boston Keratoprosthesis Surgical Training Course”
“Keratoprosthesis for Limbal Stem Cell Failure” Pan American Regional Course 2012, Cartagena, Columbia

“How not to diagnose Keratoconus” “Understanding Elevation Based Tomography” “Keratoprosthesis, Indications, Update & Outcomes” World Ophthalmology Congress 2012, Abu Dhabi, U.A.E.

“How to select and follow refractive surgery patients with Tomography” Refractive.Online/SICSSO annual meeting, Rome, Italy, 2012

“Clinical Applications of Advanced Corneal Imaging” EuCornea Annual Meeting, Milan, Italy, 2012

“Understanding Elevation Based Topography” “Basics of Corneal Transplantation: Instrumentation & Trephines” “Elevation Tomography: How to Interpret Results” ESCRS Annual Meeting, Milan, Italy 2012

“DSEK Instrumentation & Techniques” “Analysis of Post LASIK Ectasia Risk” 16th Annual University of Colorado Ophthalmology Symposium, Denver, Colorado, 2012

“History of Corneal Imaging: 130 Years of Advancement Since Antonio Placido” “Basics of Understanding Elevation Based Corneal Tomography” “Measuring Corneal Thickness: Are our Method Incorrect?” “Post LASIK Ectasia Risk Analysis: Is the ERSS still Relevant?” 38th Seminar on Imaging in Ophthalmology, King Saud University Department of Ophthalmology, Riyadh, Kingdom of Saudi Arabia, 2012

“Boston Keratoprosthesis Surgical Training Course” “Basics of Elevation Based Corneal Tomography” “Post LASIK Ectasia Risk Analysis” Ophthalmological Society of Taiwan Annual Meeting, Taipei, Taiwan 2012

“Scheimpflug Imaging” “When all else fails: the role of keratoprosthesis” 44th Annual Scientific Congress Royal Australian and New Zealand College of Ophthalmologists (RANZCO), Melbourne, Australia 2012

“Diagnosing Keratoconus, Pellucid Marginal Degeneration and Post LASIK Ectasia” 3rd Annual Asia Cornea Society Meeting, Manila, Philippines, 2012

“Topography vs Tomography: Ectasia Sensitivity” “Keratoconus: When to Intervene” “Workup of the Refractive Surgery Patient: Topography” 28th Asia-Pacific Academy of Ophthalmology 2013, Hyderabad, India

“Aggressive Surgical Debridement for Fusarium Keratitis Improves Outcomes” “Early Ectatic Changes in Keratoconus” “Different Insertion Techniques / Equipment for DSEK” “Evolution of Tomographic Diagnosis of Ectatic Disease” Society of Italian Corneal Transplant Surgeons (S.I.Tra.C) Bari, Italy, 2013

“Permanent Keratoprosthesis” “Pachymetry: New Methods to Look at Corneal Thickness” 56th Annual Postgraduate Symposium in Ophthalmology: Advances in Corneal Disease. Ohio State University, Columbus, Ohio 2013

“Urge to Rub: Is there a Link between Eye Rubbing, Atopy and Keratoconus. 10th Annual ISOPT Conference, Paris, France 2013

“Understanding Scheimpflug Imaging of the Cornea” SHIOL Annual Meeting (Hungarian Society of Ophthalmology), Budapest, Hungary 2013

“When not to use a Toric IOL” 2013 Cornea Day, San Francisco, CA

“What we don’t have & Why we don’t have it: ASCRS/FDA symposium” “Basics of Elevation Based Tomography/New Thoughts on Corneal Pachymetry” 2013 ASCRS Annual Meeting, San Francisco, CA

“Corneal Examination Techniques: Pachymetry, Topo/Tomography, OCT, Confocal, Wavefront” European University Postgraduate Course (EUPO) 2013, Copenhagen, Denmark

“Keratoconus Classification: Time for a change” “Corneal Tomography” European Society of Ophthalmology Annual Meeting (SOE) 2013, Copenhagen, Denmark.

“Evolution of the Belin/Ambrosio Display” “Keratoconus Case Presentation: Surgical Treatment of Hydrops in Pellucid Marginal Degeneration” “DSEK: Instrumentation & Insertion Techniques” SICSSO, Refractive online annual meeting 2013, Sienna, Italy

“When Not to use a Premium IOL” “Update on Diagnosis of Keratoconus in the Refractive Patient”, Asia Pacific Society of Cataract & Refractive Surgery (APSCRS) 2013, Singapore

“Boston KPRO for World Blindness” “Ultimate Strategies for Diagnosing & Evaluating Keratoconus” “Boston KPRO Training Course” Pan American Association of Ophthalmology (PAAO) Annual Meeting 2013, Rio de Janeiro, Brazil

“DSEK Insertion Techniques and Instrumentation” “Corneal Pachymetry: New way to look at an old measurement” “Understanding Elevation Based tomography: From basics to refractive screening” “Ectasia Risk Score: Is it applicable” Southern African Society of Cataract & Refractive Surgery (SASCRS) Annual Meeting 2013, Livingstone, Zambia

“Diagnosis and Stage-Related Therapy of Keratoconus & Ectatic Diseases” “Boston Keratoprosthesis” DOG (German Ophthalmological Society) Annual Meeting 2013, Berlin Germany

“Corneal Imaging: Scheimpflug” EuCornea Annual Meeting 2013, Amsterdam, Netherlands

“Update on Penetrating Keratoplasty” “Basics of Corneal Topography: Understanding what you are seeing” “Enhanced Ectasia Screening” ESCRS Annual Meeting 2013, Amsterdam, Netherlands

“Keratoprosthesis Surgery in China: Keynote Address” “Aggressive Debridement aids Treatment of Fungal Keratitis” 9th International Symposium of Ophthalmology, Guangzhou, China

“Understanding the Basics of Corneal Tomography” Bombay Ophthalmologists Association & P.D. Hinduja National Hospital, Mumbai, India, December 2013

“DSEK Training Course” “Tomography Mastercourse” “Current Methods of Diagnosing & Monitoring Corneal Ectasia” “Donor Insertion Techniques in Endothelial Keratoplasty” KERACON 2013 – National Meeting of the Cornea Society of India, Goa, India 2013

“Overview on Keratoprosthesis” “Novel ways to look at Corneal Thickness: 2014 Pan American Regional Meeting (PAAO), Panama City, Panama

“Posterior Corneal Curvature conforms to Anterior Cornea Curvature in Astigmatic Tohono O’odham Native American Schoolchildren” (ARVO Poster). Miller JM, Harvey EM, Twelker JD, Belin MW, Sherrill D. 2014, Orlando, FL

“Screening vs Diagnosing Ectatic Disease: Whats the Difference” Keynote address – VISTA dinner / Cornea Society Young Physicians Dinner, 2014, Orlando, FL.

“Boston Keratoprosthesis: When all else fails” “Tomographic Analysis of Keratoconus: Implications for screening and diagnosing disease” Contact Lens Association of Ophthalmology (CLAO) 2014 annual meeting, Toronto, Canada

“Keratoconus: From Literature to the Clinic Approach (Keynote)” “Endothelial Keratoplasty Case Reports” XIII SICSSO Congress (International Congress of the Italian Society Stem Cells and Ocular Surface) 2014, Paestum (Salerno), Italy

“Role of MMC in Surface Ablation” “Diagnostic Criteria for Keratoconus: Exclusion vs Inclusion” 36th National Congress Society of Columbian Ophthalmologist 2014, Medellin, Columbia

“Update on Penetrating & Lamellar Keratoplasty” Course 2014 ESCRS Annual Meeting, London

“Techniques for DSEK” “Novel Corneal Thickness Measurements and Their Application” “Diagnostic Criteria for Keratoconus” International Symposium of Ophthalmology 2014, Hong Kong

“Imaging in Keratoconus” “Case Based Discussion on Tomography” “Limitations of Diagnosing Early Keratoconus” “Pellucid Marginal Degeneration and Post LASIK Ectasia” Keratoconus Theatre, Naraya NAnethralaya Hospital, Bangalore India, 2014

“DSEK Instrumentation & Techniques (Plenary lecture)”
“Density & Specificity of Multiple Parameters for Diagnosing Keratoconus” “Optics/Refraction in a Clinical Scenario” 2104 Asia Cornea Society Biennial Scientific Meeting, Taipei, Taiwan

“The Role of Corneal Transplantation and Keratoprosthesis in Acute Trauma” “Pellucid Marginal Degeneration: What's in a name”
“Understanding and Interpreting Tomography of Thinning Disorders” “Development of Results of the Boston KPRO Type 1”
“Complex Case Presentations: Toric IOL” Asia Pacific Academy of Ophthalmology Annual Meeting 2015, Guangzhou, China

“Acute & Chronic Management of Chemical Burns” “Understanding Corneal Tomography” SOE (European Society of Ophthalmology) Biannual Meeting 2015, Vienna, Austria

“Keratoconus: the difference between screening & diagnosing and its clinical implications” “Keratoconus & Pellucid Marginal Degeneration: why it matters” XIV SICSSO Congress, Lecce, Italy

“Clinical Implications of Different Methods of Measuring Corneal Thickness” XXXI PanAmerican Congress of Ophthalmology 2015, Bogota, Columbia

“New Method to Stage and Document Progression of Keratoconus” 7th Expert Meeting Current Surgical Options in the Management of Keratoconus. Barcelona, 2015

“Successfully Managing Post Keratoplasty Astigmatism” “Update of PK and Lamellar Keratoplasty” “Diagnosis & Treatment of the Irregular Cornea” “Enhanced Ectasia Screening for Refractive Candidates” European Society of Cataract & Refractive Surgery (ESCRS) Annual Meeting 2015, Barcelona, 2015

“The new ABCD classification for Keratoconus” “Mistakes, Mishaps & Misconceptions” German Ophthalmology Society Annual Meeting (DOG) 2015, Berlin, Germany

“Pellucid Marginal Degeneration: Accurate diagnosis is important”
“LASIK vs PRK: General Concepts” “New Ways to Look at Corneal Thickness” “Tomography of Ectatic Disease” “Screening vs Diagnosing Ectatic Disease: How they differ” Cataract & Refractive Surgery Biannual Meeting Pontificia Universidad Catolica de Chile 2015, Santiago, Chile

“Posterior Cornea” “Surgical Instruments: Design & Proper Useage” Royal Australia & New Zealand College of Ophthalmology (RANZCO) Annual Meeting 2015, Wellington, New Zealand

“Cornea Crosslinking: Separating Fact, Fiction and the FDA” Cornea Subspecialty Day American Academy of Ophthalmology Annual Meeting 2015, Las Vegas, NV

“Keratoconus: Difference between screening and diagnosing” “The new Belin ABCD Keratoconus Classification” “Topography vs Tomography” “Basics of Scheimpflug Imaging” World Ophthalmology Congress (WOC) 2016, Guadalajara, Mexico

“Placido vs Elevation” “Staging of Keratoconus: ABCD Classification” “ Screening vs Diagnosing” “How to determine progression in ectatic disease” “Pearls for Toric IOL’s” “Pre-operative diagnosis for keratoconus” Asociacion Latinoamericana de Cirujanos de Catarata, Segmento Anterior Y Refractiva, Lima Peru, 2016

“Posterior Cornea Shape Following Gain or Loss of Keratometric Astigmatism” “Effect of Epithelial Removal on the Corneal Curvature in Keratoconic Eyes prior to Crosslinking” 2016 Association of Research & Vision in Ophthalmology (ARVO), Seattle, WA

“Screening for Corneal Refractive Surgery” “Astigmatism Assessment” “New Keratoconus Staging: Beyond Amsler-Krumeich” “Why the US has not approved Crosslinking” “Accommodation/Convergence post refractive surgery” “Post LASIK Pressure Induced Stromal Keratopathy (PISK)” “Are we Diagnosing Keratoconus Progression Correctly” XIII International congress of the Middle East Africa Council of Ophthalmology, 2016, Bahrain.

“Difference between screening for ectatic disease and diagnosing: Impications for early crosslinking studies” “Keratoconus, Pellucid Marginal Degeneration and Keratoglobus: What’s the difference and why does it matter?” 2016 Indian Intraocular Implant & Refractive Surgery Convention (IIRSI), Chennai, India

“Response to the Global Consensus on Keratoconus: A New Keratoconus Classification and Progression System” “Corneal Crosslinking: What took the US so long” 60th Congresso Brasileiro de Oftalmologia (CBO), Goiania, Brazil 2016

“Novel Parameters to determine ectasia progression”
 “Comprehensive Keratoplasty: Instrumentation & Trephination”
 “Enhanced ectasia screening for refractive candidates: from corneal topography & pachymetry to 3D tomography & biomechanics” “
 Modern diagnosis and therapeutic techniques for the irregular cornea” European Society of Cataract & Refractive Surgery (ESCRS) 2016 Annual Meeting, Copenhagen, Denmark

“Topography vs Tomography: What do they tell us” Cornea Subspecialty Day 2016, American Academy of Ophthalmology, Chicago, IL

“Understanding the Indices of Keratoconus” “Science and Screening for Ectasia” “The ABCD Classification for Keratoconus” Keratoconus Theatre 2016, Narayana Nethralaya Eye Hospital, Bangalore, India

“Surgical Instrumentation, Sutures, Needles” “Novel Parameters for Determination of Ectasia” Royal Australia and New Zealand College of Ophthalmology (RANZCO) Annual Meeting 201, Melbourne, Australia

“DSEK Insertion Techniques” “Clinical Applications of Scheimpflug Imaging” “You are what you eat: Ocular Leprosy” 2016 Asia Cornea Society Biennial Scientific Meeting, Seoul, Korea

“Unique Parameters to Determine Keratoconus Progression” Pan-Cornea Annual Meeting 2017, Miami, FL

“Role of Keratoprosthesis in Anterior Segment Reconstruction” “BAD Algorithm for Keratoectasia Screening” “Non-Surgical Treatment of Post Keratoplasty Ametropia” “Keratoconus Staging, Classification & Progression” 32nd Asia-Pacific Academy of Ophthalmology Congress (APAO), 2017, Singapore

“What is New in the Diagnosis and Progression Monitoring of Keratoconus” 2017 Cornea Day / ASCRS, Los Angeles

“Cornea Examination Techniques” European University Professors of Ophthalmology (EUPO) Course, Barcelona, Spain 3027

“Understanding Cornea Tomography: A Comprehensive Course” European Society of Ophthalmology (SOE) 2017, Barcelona, Spain

“The ABCD Keratoconus Classification & Progression Determination: Use in CXL Decision Making. S.I.C.S.S.O Annual Congress, Grosseto, Italy 2017

“Refractive Screening: What are the essential tools” “Keratoconus Progression” “ABCD Staging & Progression Display” “Simplified Method for Toric IOL Selection” “Keratoconus: How to Improve Diagnosis & Classification” 33rd Congress of the Pan-American Association of Ophthalmology 2017, Lima Peru

“Keratoconus Diagnostics and Therapeutics: A Revolution in Evolution” Oskar Fehr Lecture at the DOG (Deutsche Ophthalmologische Gesellschaft e.V.) meeting 2017, Berlin, Germany

“Keratoconus Classification, Staging & Progression” Royal Australia & New Zealand College of Ophthalmology Annual Meeting 2017, Perth, Australia

“How to Diagnose Keratoconus: Tried and True vs New Vue” American Academy of Ophthalmology Cornea Subspecialty Day 2017, New Orleans, LA

“Basics of KPRO Surgery for Beginners” “Whe NOT to do Refractive Surgery” “Keratoconus Progression & CXL Complications” “Corneal Tomography Course” KERACON 2017 Annual Meeting of the India Corneal Society, Hyderabad, India

“Combined Procedures: KPRO as an alternative to Temporary Keratoprosthesis” “New Methods of Diagnosing & Staging Keratoconus: The ABCD system” APAO (Asia Pacific Academy of Ophthalmology) Annual Meeting 2019, Hong Kong, China

“DSEK Insertion Techniques” The use of the Boston KPRO as an alternative to temporary keratoprosthesis in complex keratoplasty cases” “The ABCD keratoconus progression display: Applications to crosslinking” 6th Asia Cornea Society Biennial Scientific Meeting, Qingdao, China

“How to Predict Keratoconus Progression” XVII International Congress of Cornea, Stem Cells & Ocular Surface. Paestum, Italy 2018

“Assessing Progression of Keratoconus and Crosslinking Efficacy” Annual Meeting of the Asia-Pacific Association of Cataract & Refractive Surgery (APSCRS), Chiang Mai, Thailand 2018

“ABCD Staging Keratoconus” PanCornea International Congress II 2018,, Cartagena, Columbia

“ABCD for Staging & Progression of Keratoconus” “Incorporating the Belin ABCD Progression Display in your CXL Practice” “What’s New in the Early Diagnosis of Keratoconus” “Enhanced Ectasia Screening” “Modern Diagnostic & Therapeutics of the Irregular Cornea” European Society of Cataract & Refractive Surgery (ESCRS) 2019, Vienna, Austria

“Imaging for Keratoconus” American Academy of Ophthalmology Cornea Day 2018, Chicago, IL

“Keratoconus for the Comprehensive Ophthalmologist” “Topography vs Tomography: What is the difference” RANZCO 2018 (Royal Australia & New Zealand College of Ophthalmology annual Scientific Congress, Adelaide, Australia

“Determination of Ectasia Progression” Expert CXL Meeting 2019, Zurich, Switzerland.

“New Ways to Characterize Ectatic Disease” “Belin ABCD Progression Display” “Gold Standard was Abandoned: so should Placido Imaging” Asia Pacific Academy of Ophthalmology (APAO) 2019, Bangkok, Thailand

“Making a Diagnosis of Keratoconus & Deciding on Crosslinking” CORNEA 360 2019, Scottsdale, AZ

“Annual Report AUPO-FCC” American Academy of Ophthalmology Mid-Year Forum 2019, Washington, DC

“Defining Progression in Keratoconus” Cornea Day 2019, San Diego, CA

“Current Status of CXL in the USA” “Understanding CXL Outcomes” American Society of Cataract & Refractive Surgery (ASCRS) Annual Meeting 2019, San Diego, CA

“CXL & Scleral Contact Lenses: an end to Keratoplasty” “Comprehensive Course on Tomographic Corneal Imaging” European Society of Ophthalmology (SOE) 2019, Nice, France

“Peer Reviewed or Poorly Reviewed” Determining Progression in Keratoconus & Post LASIK Ectasia” 2019 Annual Conference of

the Indian Society of Cornea & Kerato-Refractive Surgeons (ISCKRS), New Delhi, India

“Determining Progression in Keratoconus: ABCD Progression Display” “CXL, Eye Rubbing and end to Keratoplasty for Keratoconus” XVI Regional Congress of Ophthalmology – Peruvian Ophthalmology Society, Trujillo, Peru 2019

“Topographic Imaging for the detection of Keratoconus Progression” “Why we should abandon Kmax” EuCornea Annual Meeting 2019, Paris, France

“What’s new in the early diagnosis of Keratoconus” “Enhanced Elevation and Progression Display” “Characterization and Diagnosis of Irregular Cornea” “Expanding applications for Crosslinking and early detection” European Society of Cataract & Refractive Surgery (ESCRS) Annual Meeting 2019, Paris, France

“Forme Fruste of Keratoconus” German Ophthalmology Society Annual Meeting (DOG 2019), Berlin, Germany

“Keratoconus: Are we progressing” Cornea Subspecialty Day 2019, San Francisco, CA

“Monitoring Progression in Keratoconus” American Academy of Ophthalmology Annual Meeting 2019, San Francisco, CA

“CXL effect in corneal topography and tomography” 15th International Corneal Crosslinking Annual Meeting 2019, Zurich, Switzerland

“Annual AUPO-FCC update 2020” American University Professors of Ophthalmology Annual Meeting 2020, Rancho Mirage, CA

“Review of Ophthalmic Literature: Peer reviewed vs Poorly reviewed. 2020 Illinois Society of Eye Physicians & Surgeons and Chicago Ophthalmological Society, Rosemont, ILL

“Assessing Ectatic Changes Post-Crosslinking” EuCornea 2021 Amsterdam (virtual presentation)

“Confidence Intervals for Assessing Ectatic Changes Post-Crosslinking using the ABCD Grading System” 2022 Royal Australia & New Zealand College of Ophthalmology Annual Meeting.

“Belin / Ambrosio Enhanced Ectasia Display: History, Understanding and Clinical Applications” “Belin ABCD Staging and Progression Display” Refractive Rio 2022, Rio de Janeiro, Brazil

“Instrumentation, Sutures, Needles” Visiting Professor, University of Pecs, Pecs, Hungary

“Determining Keratoconus Progression before and after Crosslinking” 4th International CXL Experts' Summer Meeting, Wenzhou Medical University, Wenzhou, China

“Characterization of the Irregular Cornea” “Diagnosing Keratoconus Progression before and after Corneal Crosslinking” ESCRS (European Society of Cataract and Refractive Surgery) Annual meeting, Milan, Italy 2022

“Analysis of Peer Reviewed Keratoconus Methods” “Determining Keratoconus Staging, Progression & Prognosis” IKA Keratoconus Symposium, Scottsdale, AZ 2023

“Comprehensive Course Corneal Tomography” “Peer Reviewed or Poorly Reviewed” “Determining Ectasia Progression” NZ Branch RANZCO meeting 2023, Wellington, NZ

“Comprehensive Course Corneal Tomography” “Peer Reviewed or Poorly Reviewed” “Determining Ectasia Progression” Visiting Professor, CPMU (California Pacific Medical Center)

“Ectasia Progression: Diagnosis, Prognosis & Risk Factors” EuCornea Annual Meeting 2023, Barcelona, SP

“Comprehensive Course on Corneal Tomography” SOE biannual meeting 2023, Prague CK

“Clinical Applications of the Belin ABCD Progression Display” “Anterior Segment Tomography” “Epi-On CXL – EpiSmart Phase 3 trial” 21st annual SICSSO meeting, Catania, Italy

“The Biomechanical E-Staging – In vivo assessment of corneal biomechanics in keratoconus” EVER 2023, Valencia, Spain (Poster)

“Analysis of Corneal Shape” American Academy of Ophthalmology 2023, San Francisco (AAO Course)

“Multicenter, Randomized, Double-Masked, Sham-Controlled, Parallel-Group, Phase 3 FDA Study to Evaluate the Safety and Efficacy of Epithelium-On Corneal Crosslinking in Subjects 8 to 45 Years of Age with Keratoconus” Mid-Winter ESCRS 2024, Frankfurt, Germany

“Update EPION Therapeutics Phase 3 FDA study on Epithelium-On Crosslinking for Keratoconus ages 8-45” Eyecellator 2024, Boston, MA

“Ectasis Risk Analysis in Corneal Refractive Surgery” American Society of Cataract & Refractive Surgery 2024, Boston MA

“Update EPION Therapeutics Phase 3 FDA study on Epithelium-On Crosslinking for Keratoconus ages 8-45” 1st World Keratoconus Congress 2024, Dubai, UAE

“Determining Keratoconus Severity, Progression, and Prognosis” 2nd International Keratoconus Academy Annual Meeting 2024, Bethesda, MD

“Definition and Diagnosis of Ectasia Progression: do we have a consensus” “Epithelium-On CXL: Current status of Phase 3 FDA trial for Keratoconus ages 8-45” EuCornea Annual Meeting 2024, Paris, France

“Comprehensive Course in Clinical Applications of Anterior Segment Tomography” “Keratoconus: Progression How do I know it” “Phase 3 FDA Epithelium-On CXL Trial treating Keratoconus on Diagnosis in patients 8 – 45 years” International Society of Cornea, Stem Cells and Ocular Surface (SICSSO) Annual Meeting 2024, Grosseto, Italy

“Determining Progression in Ectatic Disease” World Ophthalmology Congress (WOC) 2024, Vancouver, Canada

“Diagnostic Tomography” Refractive Surgery Alliance (RSA) 2024

“Current Diagnostic & Therapeutic Techniques for the Irregular Cornea” “Improve your Laser Refractive Surgery” European Society of Cataract & Refractive Surgery (ESCRS) 2024, Barcelona, Spain

“Ectasia Screening with the BAD module” EVER Annual Meeting 2024, Valencia, Spain

“Pentacam Master Class” “Peer Reviewed or Poorly Reviewed”
“Determining Ectasia Progression Before and after CXL” “Status
EPION Therapeutics Phase 3 FDA Trial for Epithelium-On CXL in
Keratoconus ages 8 – 45” South African Society of Cataract &
Refractive Surgery (SASCRS) 2024, Durban, South Africa

“Corneal Tomography – Understanding Elevation Based
Tomography” 34th Annual Washington Retina Symposium, 2025,
Tysons Corner, Virginia

“Elevation Based Tomography in Screening for Refractive Surgery”
2025 Military Refractive Surgery & Safety Standards Symposium.
Coronado Naval Base, San Diego CA

“Update of EPION Epi-ON CXL Phase 3 trial” “Anterior Segment
Tomography: Comprehensive Course. SOE 2025, Lisbon, Portugal

“Toric IOL use in Keratoconus” “Understanding Topography and
Tomography” “Epion Phase 3 FDA Trial” “Current Status of
Epithelium-On CXL in the USA” SICSSO Annual Meeting,
Grosetto, Italy

“Global Consensus of Ectatic Disease II” Cornea Day 2025,
Copenhagen, Denmark

“Improve your Refractive Surgery Instructional Course” “Phase 3
FDA Study on Epithelium-On CXL for Keratoconus (Poster)”
European Society of Cataract & Refractive Surgery (ESCRS) 2025,
Copenhagen, Denmark.

“Basics of Corneal Tomography” “Scheimpflug Technology”
“Reading the Belin ABCD Progression Display” “OCULUS Skills
Transfer Course” CLX Expert Meeting 2025, Milan, Italy

“Update on EPION Therapeutics Phase 3 Epithelium ON CXL Trial”
“Belin ABCD Staging & Progression Display” “Belin/Ambrosio V4:
What’s new” “Multi-Modal Corneal Imaging Course” 18th Research
Institute of Ophthalmology (RIO) meeting 2026, Cairo, Egypt

“Determining Ectasia Progression” “BAD version 4” Complete
Ectasia Conference 2026. LV Prasad Eye Institute, Hyderabad,
India

“Belin ABCD for keratoconus staging and progression – Gold Medal
Lecture. 3rd World Keratoconus Congress 2026, Florence, Italy

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CONSULTING & GRANTS:

KeraVision Incorporated, Feemont, CA – Consultant

STTR # AF96T004 (F30602-96-C-0322) Rasterstereographic
Corneal Topography \$247,000.00, Phoenix Systems &
Technologies, New Hartford, N.Y.

VISX Incorporated, Santa Clara, CA - Consultant and Physician
Trainer Excimer laser
Hyperopia Principal Investigator
Hyperopia with Astigmatism Principal Investigator

LaserSight Technologies, Orlando, FL. - Consultant and
Investigator Excimer laser

Chiron Vision, Claremont, CA - Consultant Topography and
Excimer laser

PAR Microsystems Corporation, New Hartford, N.Y.,
Consultant and Investigator - PAR Corneal Topography
System

Allergan Pharmaceuticals, Irvine, CA., Consultant and
Investigator

Sandoz Pharmaceuticals, East Hanover, N.J., Investigator -
Topical Cyclosporine

Premier Laser Systems, Irvine, CA., Consultant and
Investigator - Erbium:YAG Corneal Photoablation

Fisons Corporation, Investigator

Telor Pharmaceuticals, Woburn, MA. - Consultant

AVEDRO – Consultant

EPION Therapeutics – Chief Medical Officer