

CURRICULUM VITAE

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Byers Eye Institute at Stanford
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EDUCATION

- 1994 - 1996 Fellowship in Cornea, External Disease, Anterior Segment and Refractive Surgery
Jules Stein Eye Institute-UCLA
Los Angeles, California, USA
- 1991 - 1994 Resident in Ophthalmology
UMDNJ-New Jersey Medical School
Newark, New Jersey, USA
Chief Resident, 1993-1994
- 1990 - 1991 Medical Internship
Staten Island University Hospital
Staten Island, New York, USA
- 1986 - 1990 M.D., Albert Einstein College of Medicine
Bronx, New York, USA
- 1982 - 1986 B.A., Binghamton University
Binghamton, New York, USA
Major: Chemistry

ACADEMIC APPOINTMENTS

- April '08 to present Professor of Ophthalmology
Stanford University School of Medicine
- Feb'03 to March '08 Associate Professor of Ophthalmology
Stanford University School of Medicine
- 1997 to Present Chairman, Ophthalmology Credentialing Committee
Stanford University School of Medicine
- 1997 to Feb'03 Assistant Professor of Ophthalmology
Stanford University School of Medicine
- 1996 to 1997 Acting Assistant Professor of Ophthalmology
Stanford University School of Medicine

CERTIFICATION

American Board of Ophthalmology, June 1996
American Board of Ophthalmology, recertified, September 2005

COMMITTEES

2004 to Present Stanford University School of Medicine IRB Board Member
1997 to Present Stanford University School of Medicine, Chairman: Credentialing Committee

PROFESSIONAL ORGANIZATIONS

American Ophthalmological Society
American Academy of Ophthalmology
American College of Ophthalmic Surgery - founding member (2011)
American Society of Cataract and Refractive Surgery
Association for Research in Vision and Ophthalmology
California Ophthalmology Association
International Society of Refractive Surgery
Max Fine Corneal Society
International Society of Refractive Surgery Study Group
American College of Eye Surgeons
Apex Corneal Society
European Society of Cataract and Refractive Surgery
American Medical Association

HONORS

Patients' Choice Award: 2011
Best of the Bay: KRON 4 News 2010
Premier Surgeon 250
Top Doctors in the Bay Area: San Francisco Magazine 2005
American Academy of Ophthalmology Achievement Award 2003
America's Top Ophthalmologists: Consumers' Research Council of America 2002-2011
Top Doctors in Silicon Valley: San Jose Magazine 2002-2004
Director of Largest Surgery Centers: San Jose Business Journal 2001-2006
Best Doctors in America: 2001-2011
America's Top Doctors: Castle Connolly Medical Publishing 2001-2011

Top Doctors in Silicon Valley: San Jose Magazine 2000-2011

Top 500 Doctors in the Bay Area: San Francisco Magazine Jan. 2001

VISX Star Surgeon-Top 50 LASIK Surgeons in the United States 1997-1999

Rosalind Alcott Fellow, July 7, 1994 to July 6, 1996

Alfonse Cinotti Award for Academic Excellence, June 1994

Research

Principal Investigator – Post photorefractive keratectomy (PRK) use of an eye shield for maintaining vision and mitigating pain. 2011-present. Sponsor: Nexis Vision.

Principal Investigator – Multi-center, patient-reported outcomes with LASIK (PROWL-2). 2012-present. Sponsor: EMMES Corporation – sponsored by NEI and FDA.

Principal Investigator – A prospective comparison of fellow eyes undergoing wavefront-guided LASIK versus wavefront-optimized LASIK using the Wavelight Allegretto Eye-Q 400 Hz excimer laser. 2011-present. Sponsor: none.

Principal Investigator – A prospective comparison of fellow eyes undergoing LASIK with the Intralase FS60 versus the IntraLase iFS. 20011- present, Sponsor: Unrestricted grant from Advanced Medical Optics, Inc.

Principal Investigator – A prospective comparison of wavefront-guided LASIK to wavefront-optimized LASIK. 2009- present, Sponsor: none.

Principal Investigator – A prospective comparison of wavefront-guided PRK to wavefront-optimized PRK. 2009- present, Sponsor: none.

Principal Investigator – Post-approval study of CustomVue™ LASIK for monovision with the Star S4 IR™ excimer laser system. 2008, sponsor: Advanced Medical Optics

Principal Investigator – A Multi-Center, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study Evaluating the Safety and Analgesic Efficacy of Three Concentrations of Bromfenac Ophthalmic Solution (0.09%, 0.06%, and 0.03%) in Post-Operative, Unilateral, Photorefractive Keratectomy (PRK) Surgery. 2008, sponsor: ISTA Pharmaceuticals.

Principal Investigator – A prospective randomized eye-to-eye comparison of wavefront-guided PRK to LASIK. 2006-2010, sponsor: none

Principal Investigator – Rebamipide Ophthalmic Suspension in the treatment of dry eye: A multicenter Phase III, randomized, double masked, placebo controlled parallel group, 52 week study protocol. 2004-2005, sponsor: Otsuka Pharmaceutical

Principal Investigator - A prospective randomized, single center clinical comparison of fellow eyes undergoing LASIK with either a mechanical keratome or IntraLase FS Laser 2004- 2008, sponsor: IntraLase, Inc.

Principal Investigator - A clinical protocol evaluating the AlphaCor Artificial Cornea. A multicenter clinical trial 2003 - 2005, Sponsor: Argus Biomedical, Inc.

Principle Investigator - A study of device upgrades to the VISX WaveScan System to measure ocular aberrations. A physician sponsored IRB prospective clinic trial 2002-2003, sponsor: VISX, Inc.

Principal Investigator - VISX Excimer Laser System and Custom Contoured Ablation Pattern (C-CAP) method. A physician sponsored HDE single institution prospective FDA clinical trial 2002-Present, sponsor: VISX, Inc.

Principal Investigator - Myopia surgery with implantation of the Medennium™ Phakic Refractive Lens (PRL). A multicenter Phase III FDA clinical trial 2001-Present, sponsor: Medennium Inc.

Principal Investigator - Hyperopia surgery with implantation of the Artisan™ Hyperopia Intraocular Lens. A multicenter Phase III FDA clinical trial 2000-Present, sponsor: Ophtec, Inc.

Principal Investigator - Presbyopia surgery using the Presby Corp Scleral Expansion Band Implant. A multicenter Phase I FDA clinical trial 2000-Present, sponsor: Presby Corp.

Medical Monitor/Principal Investigator - Radiofrequency Keratoplasty (RFK) for the treatment of simple hyperopia using the Refractec RCS Corneal Shaping System. A multi-center prospective FDA clinical trial 1999-Present, sponsor: Refractec, Inc.

Principal Investigator - Myopia surgery with implantation of the Artisan™ Myopia Intraocular Lens. A multi-center Phase III FDA clinical trial 1999-Present, sponsor: Ophtec, Inc.

Principal Investigator - Hyperopic LASIK for low to moderate hyperopia using the VISX Star S2 Smoothscan Excimer Laser. A physician sponsored IDE single institution prospective FDA clinical trial 1998-Present unsponsored

Principal Investigator - Hyperopic Astigmatic LASIK for low to moderate hyperopia with astigmatism using the VISX Star S2 Smoothscan Excimer Laser. A physician sponsored IDE single institution prospective FDA clinical trial 1998-Present, unsponsored

Principal Investigator – A clinical protocol evaluating the AlphaCor Artificial Cornea. A multicenter clinical trial 2003, Sponsor: Argus Biomedical, Inc.

Principal Investigator - A mechanical model of keratoplasty - Keravision a prospective trial measuring corneal elasticity after implantation of intrastromal corneal rings and segments 1999, Sponsor: Keravision, Inc.

Principal Investigator - PRK for hyperopia with an erodible mask using the Summit Technology SVS Apex Plus Excimer Laser System. A multicenter prospective FDA clinical trial 1998-2000, Sponsor: Summit Tech, Inc.

Principal Investigator - Toric PRK using the Summit Technology SVS Apex Plus Excimer Laser System for compound myopic astigmatism. A multicenter prospective FDA clinical trial 1997-2000, Sponsor: Summit Tech, Inc.

ACTIVITIES

American Academy of Ophthalmology Refractive Surgery
Interest Group 2001, 2002 Subspecialty Day Meeting Committee
International Society for Refractive Surgery:
Continuing Education Committee, 1997-2000
Residents and Fellows Committee, 1997-2000

Reviewer:

Ophthalmology, Cornea, Journal of Refractive Surgery,
Journal of Cataract and Refractive Surgery, Survey of
Ophthalmology, British Journal of Ophthalmology,
Ophthalmic Surgery and Lasers, Archives of Ophthalmology,
American Journal of Ophthalmology

Certified VISX PRK and PTK trainer

Certified Bausch and Lomb PRK and trainer

Certified Intralase trainer

EDITORIAL BOARDS

Journal of Refractive Surgery (Section Editor) 1996- Present

Journal of Cataract and Refractive Surgery (Section Editor) 2006- 2008

Journal of Ophthalmology 2008- Present

Clinical & Experimental Ophthalmology 2010- present

SCIENTIFIC ADVISORY BOARDS

Calhoun Vision, Inc.

Refractec, Inc.

Seros Medical, LLC.

VISX Domestic Advisory Board

Ophthonix, Inc.

INSTRUMENTS

Manche LASIK Corneal Marker

Manche LASIK Cannula

Manche LASIK Spatula

Manche LASIK Speculum
Manche LASIK Forceps
Manche LASEK Trephines
Manche Intralase Flap Lifter

BIBLIOGRAPHY

PEER REVIEWED ARTICLES

Manche EE, Haw WW. Wavefront-guided laser in-situ keratomileusis (LASIK) versus wavefront-guided photorefractive keratectomy (PRK): A prospective randomized eye-to-eye comparison (An American Ophthalmological Society Thesis). *Trans Am Ophthalmol Soc.* 2011 Dec;109:201-220.

Manche EE, Chan A. Pupil size and LASIK. Author reply. *Ophthalmology.* 2011 Dec;118(12):2526-2527.

Zhang ZH, Jin HY, Suo Y, Patel SV, Montes-Micro R, **Manche EE**, Xu X. Femtosecond laser versus mechanical microkeratome laser in situ keratomileusis for myopia: Metaanalysis of randomized controlled trials. *J Cataract Refract Surg.* 2011 Dec;37(12):2151-2159.

Murakami Y, **Manche EE**. Comparison of intraoperative subtraction pachymetry and postoperative anterior segment ocular coherence tomography of laser in-situ keratomileusis flaps. *J Refract Surg.* 2011. Oct;37(10):1879-1883.

Liu T, **Manche EE**. Bilateral posterior subcapsular cataracts associated with long-term intranasal steroid use. *J Cataract Refract Surg.* 2011. Aug;37(8):1555-1558

Golas L, **Manche EE**. Dry eye after laser in situ keratomileusis with femtosecond laser and mechanical keratome. *J Cataract Refract Surg.* 2011 Aug;37(8):1476-1480.

Chan A, **Manche EE**. Effect of preoperative pupil size on quality of vision after wavefront-guided LASIK. *Ophthalmology.* 2011 Apr;118(4):736-41.

Bababegy SR, **Manche EE**. Wavefront-guided photorefractive keratectomy with the Visx platform for myopia. *J Refract Surg.* 2011 Mar;27(3):173-80.

Liu A, **Manche EE**. Late onset secondary cataract following implantation of an iris-fixated phakic intraocular lens. *J Cat Refract Surg.* 2011 Apr;27(4):305-8.

Liu A, **Manche EE**. Visually significant haze post retreatment with photorefractive keratectomy with mitomycin-C following laser in situ keratomileusis. *J Cat Refract Surg.* 2010 Sep;36(9):1599-1601.

Liu A, **Manche EE**. Traumatic shattering of intrastromal corneal ring segments. *J Cataract Refract Surg.* 2010 Jun;36(6):1042-4.

Liu A, **Manche EE**. Late-onset nontraumatic dislocation of anterior chamber phakic intraocular lens. *J Cataract Refract Surg.* 2010 May;36(5):854-6.

Liu A, **Manche EE**. Anterior segment optical coherence tomography imaging of central toxic keratopathy. *Ophthalmic Surg Lasers Imaging.* 2010 Apr 2:1-3. (Epub ahead of print)

Ehrlich JS, **Manche EE**. Regression of effect over long-term follow-up of conductive keratoplasty to correct mild to moderate hyperopia. *J Cat Refract Surg*. 2009 Sep;35(9):1591-6.

Chan A, Ou J, **Manche EE**. Comparison of the femtosecond laser and mechanical keratome for laser in situ keratomileusis. *Arch Ophthalmol* 2008 November;126(11):1484-90.

Bababeygy SR, Zoumalan CI, Chien FY, **Manche EE**. Wavefront-guided laser in situ keratomileusis retreatment for consecutive hyperopia and compound hyperopic astigmatism. *J Cataract Refract Surg*. 2008 August;34(8):1260-66.

Silva RA, Jain A, **Manche EE**. Prospective long-term evaluation of the efficacy, safety and stability of the phakic intraocular lens for high myopia. *Arch Ophthalmol* 2008 June;126(6):775-81.

Desai RU, Jain A, **Manche EE**. Long-term follow-up of hyperopic laser in situ keratomileusis correction using the Star S2 excimer laser. *J Cataract Refract Surg*. 2008 Feb;34(2):232-7.

Bababeygy SR, Zoumalan CI, **Manche EE**. Visual outcomes of wavefront-guided laser in situ keratomileusis in eyes with moderate or high myopia and compound myopic astigmatism. *J Cataract Refract Surg*. 2008 Jan;34(1): 21-7.

Stulting RD, John ME, Maloney RK, Assil KK, Arrowsmith PN, Thompson VM, U.S. Verisyse Study Group. Three-Year Results of Artisan/Verisyse Phakic Intraocular Lens Implantation Results of the United States Food and Drug Administration Clinical Trial. *Ophthalmology* 2008 Mar;115(3):464-472 (Collaborative Research Study)

Ou JI, **Manche EE**. Corneal perforation after conductive keratoplasty in a patient with previously undiagnosed Sjogren Syndrome. *Arch Ophthalmol*. 2007 Aug;125(8):1131-32.

Ou JI, **Manche EE**. Zernike versus Fourier treatment tables for myopic patients having CustomVue wavefront laser in situ keratomileusis with the S4 excimer laser. *J Cataract Refract Surg*. 2007 Apr;33(4):654-7.

Ou JI, **Manche EE**. Topographic centration of ablation after LASIK for myopia using the CustomVue Visx excimer laser. *J Refract Surg*. 2007 Feb;23(2):193-7.

Solomon R, Donnenfeld ED, Perry HD, Rubenfield RS, Ehrenhaus M, Wittpenn JR Jr, Solomon KD, **Manche EE**, Moshifar M, Matzkin DC, Mozayeni RM, Maloney RK. Methicillin-resistant *Staphylococcus Aureus* infectious keratitis following refractive surgery. *Am J Ophthalmol*. 2007 Apr;143(4):629-34

Ou JI, **Manche EE**. Superficial keratectomy after epi-LASIK. *J Cataract Refract Surg*. 2006 Dec;32(12):2153-4.

Haw WW, Lin DY, **Manche EE**: The treatment of hyperopia or presbyopia with Light Touch Conductive Keratoplasty. *Journal of Clinical and Surgical Ophthalmology* 2006;24(10):402-410

Montague AA, **Manche EE**: CustomVue laser in-situ kertonileusis treatment after previous keratorefractive surgery. *J.Cat.Refract. Surg* 2006;32(5):795-798

Partal AE, **Manche EE**: CustomVue for myopia and myopic astigmatism using the VISX S4 excimer laser: "Efficiency, predictability and safety". *J. Cat. Refract Surg* 2006;32(3):475-479

Partial AE, **Manche EE**: Analysis of the efficiency, predictability and safety of laser sub-epithelial keratectomy for myopia and myopic astigmatism using the Technolas 217 excimer laser. J.Cat.Refract.Surg 2004:30 (10) 2138-2144

Lumba JD, Rojas MC, **Manche EE**: Treatment of Epithelial Ingrowth after laser in-situ keratomileusis with Mechanical Debridement and Flap Suturing. Arch Ophth 2004:122: 997- 1001

Lin DY, **Manche EE**: Custom-contoured ablation pattern method for the treatment of decentered laser ablations. J. Cat. Refract. Surgery 2004:30:1675-1684

Haw WW, **Manche EE**: Successful corneal flap replacement following complete traumatic flap amputation after laser-assisted in-situ keraomileusis. Arch Ophthal 2004: Feb:122 (2):275-276

Lin DY, **Manche EE**: Two-year results of conductive keratoplasty for the correction of low to moderate hyperopia. J Cataract Refractive Surg 2003: 12(12): 2339-2350

Giaconi J, **Manche EE**: A comparison of hyperopic centration using the VISX S3 Active Track to the VISX S2 excimer laser. J Refractive Surg 2003: 19:629-635

Lin DY, Haw WW, **Manche EE**: Conductive keratoplasty for the correction of low to moderate hyperopia. Clinical and Surg Ophthal 2003: 1/21(8):318-324

Partial AE, **Manche EE**: Diameters of topographic optical zone size versus the programmed ablation zone for laser in-situ keratomileusis for myopia. J Refractive Surg 2003:19:528-533

Giaconi J, **Manche EE**: Ablation centration in myopic laser in situ keratomileusis. Comparing the VISX S3 Active Track and the VISX S2. J Refractive Surg 2003:29:1522-1529.

Rojas M, **Manche EE**: Comparison of videokratographic functional optical zones in conductive keratoplasty and laser in-situ keratomileusis for hyperopia. J Refractive Surg 2003: (3):333-337

Rojas MC, **Manche EE**: Comparison of video keratographic functional optical zones in conductive keratoplasty and laser in-situ keratomileusis for hyperopia. J Cataract Refractive Surg 2003: 19(3): 333-337

Qazi MA, Pepose JS, Shuster JJ, **Scleral Expansion Band for the Treatment of Presbyopia Study Group**: Implantation of Scleral Expansion Band Segments for the Treatment of Presbyopia. Am J Ophthalmology, 2002: 134(6): 808-815 (Collaborative Research Study)

McDonald MB, Hersh PS, **Manche EE**, Maloney RK, Davidorf J, Sabry M, Conductive Keratoplasty United States Investigators Group: Conductive keratoplasty for the correction of low to moderate hyperopia: U.S. Clinical Trial 1-year Results on 355 Eyes. Am J Ophthalmology, 2002: 109(11): 1978-1990

Haw W, **Manche EE**: Conductive keratoplasty and laser thermal keratoplasty. International Ophthalmology Clinics, Frontiers in Refractive Surgery, Lippincott Williams and Wilkins, 2002: 42(4): 99-106,

Maloney RK, Nguyen L, John M, **Artisan Lens Study Group III**: Artisan Phakic Intraocular Lens of Myopia: Short-term Results of a Prospective, Multicenter Study. Ophthalmol 2002:109(9): 1631-1641 (Collaborative Research Study)

Manche EE, Singh K, Shaikh N, Shaikh S.: Topical corticosteroids after keratorefractive surgery: Reply. *J Cataract Refract Surg* 2002; Aug; 28 (8):1307, PMID: 12160778 [PubMed - in process]

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Hamilton DR, **Manche EE**, Rich LF, Maloney RK: Steroid-induced glaucoma after laser in-situ keratomileusis associated with interface fluid. *Ophthalmol* 2002;109(4):659-665

McDonald M, Davidorf J, Maloney RK, **Manche EE**, Hersh P: Conductive keratoplasty for the correction of low to moderate hyperopia: One-year results on the first 54 eyes. *Ophthalmol* 2002;109(4):637-649

Shaikh S, Naazli M. Shaikh, **Manche EE**: Iatrogenic keratoconus as a complication of radial keratotomy. *J Cataract Refract Surg* 2002; 28(3):553-555

Naazli M, Shaikh NM, **Manche EE**: Laser keratomileusis in situ (LASIK) for myopia and compound myopic astigmatism using Technolas 217 scanning spot laser. *J Cataract Refract Surg* 2002; 28(3): 485-490

Shaikh S, Singh K, **Manche EE**: Progression to end stage glaucoma following laser keratomileusis in-situ. *J Cataract Refract Surg.* 2002; 28(2): 356-359

Rojas MC, Haw WW, **Manche EE**: Laser keratomileusis in-situ enhancement for consecutive hyperopia after myopic overcorrection. *J Cataract Refract Surg* 2002; 28(1): 37-43

Haw WW, **Manche EE**: Iatrogenic keratectasia after a deep primary keratotomy in laser keratomileusis in-situ. *Am J Ophthalmol* 2001; 132: 920-921

Manche EE: Refractive Surgical Problem – Consultation Section. *J Cataract Refract Surg* 2001; 27: 1716-1717

Asbell PA, Maloney RK, Davidorf J, Hersh P, McDonald M, **Manche EE**: Conductive keratoplasty for the correction of hyperopia. *Trans Am Ophthalmol Soc* 2001; 99: 79-84

Chung MS, Pepose JS, **Manche EE**: Management of the corneal flap in laser keratomileusis in-situ after previous radial keratotomy. *Am J Ophthalmol* 2001; 132: 252-253

Haw WW, **Manche EE**: Effect of preoperative pupil measurements on glare, halos and visual function after photoastigmatic refractive keratectomy. *J Cataract Refract Surg* 2001; 27:907-916.

Manche EE: Multiple striae post-LASIK management. (Letter) *Ophthalmic Case Consultations* 2001; 5(1):11-12

Haw WW, **Manche EE**: Laser keratomileusis in situ (LASIK) following previous refractive surgery: An update. *Comp Ophthalmol Update* 2001; 2: 359-364

Haw WW, **Manche EE**: Treatment of progressive or recurrent epithelial ingrowth with ethanol following laser keratomileusis in-situ. *J Refract Surg* 2001; 17:63-68

Haw WW, **Manche EE**: Large optical ablation zone using the VISX S2 Smoothscan excimer laser. *J Cat Refract Surg* 2000; 26:1742-1747

Haw WW, **Manche EE**: Late onset diffuse lamellar keratitis associated with an epithelial defect in six eyes. *J Refract Surg* 2000; 16:744-748

Haw WW, **Manche EE**: Prospective study of photorefractive keratectomy for hyperopic using an Axicon lens and erodible mask. *J Refract Surg* 2000; 16:724-730

Dastgheib KA, Clinch TE, **Manche EE**, Hersh P, Ramsey J: Sloughing of corneal epithelium and wound healing complications associated with laser in-situ keratomileusis in patients with epithelial basement membrane dystrophy. *Am J Ophthal* 2000; 130(3): 297-303

Haw WW, **Manche EE**: Visual performance following photoastigmatic refractive keratectomy: A prospective, long-term study. *J Cat Refract Surg* 2000; 26(10) 1463-1472

Haw WW, **Manche EE**: Photorefractive keratectomy for compound myopic astigmatism. *Am J Ophthal* 2000; 130:12-19

Haw WW, **Manche EE**: Laser keratomileusis in situ (LASIK). *Mdvista J Medicine* 2000: November

Haw WW, **Manche EE**: Status of phakic intraocular lenses for the correction of nearsightedness (myopia) and farsightedness (hyperopia). *Mdvista J Medicine* 2000: October

Haw WW, **Manche EE**: Progress report on the surgical reversal of presbyopia. *Mdvista J Medicine* 2000: September

Haw WW, **Manche EE**: One year evaluation of myopic laser photoastigmatic keratectomy using the Summit Apex Plus - Phase III of a Food and Drug Administration clinical trial. *Ophthalmol* 2000; 107:1572-1576

Haw WW, **Manche EE**: Excimer laser retreatment of residual myopia following photoastigmatic refractive keratectomy for compound myopic astigmatism. *J Cat Refract Surg* 2000; 26:660-667

Manche EE, Holland GN, Maloney RK: Deep lamellar keratoplasty using viscoelastic dissection. *Arch Ophthalmol* 1999; 117:1561-1565

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Haw WW, **Manche EE**: Sterile peripheral keratitis following laser keratomileusis in-situ. *J Refract Surg* 1999; 15:61-63

Manche EE, Ashfari M, Singh K: Delayed corneal epitheliopathy after antimetabolite-augmented trabeculectomy. *J Glaucoma*.1998; 7(4): 237-239

Manche EE, Carr J, Haw WW, Hersh P: Excimer laser refractive surgery - a Review. *Western Journal Medicine*, 1998; 169:30-38

Manche EE, Maloney R, Smith R: Treatment of topographic central islands following refractive surgery. *J Cat Refract Surg* 1998; 24(4): 464-470

Ghiselli G, **Manche EE**, Maloney RK: Factors that influence the outcome of hyperopic lamellar keratoplasty. *J Refract Surg* 1998; 24(1): 35-41

Smith R, **Manche EE**, Mondino BJ: Ocular cicatricial pemphigoid and ocular manifestations of pemphigus vulgaris. *International Ophthalmol Clinics: Ocular Manifestations of Dermatologic Disorders*. 1997; 37(2): 63-75

Manche EE, Goldberg RA, Mondino BJ: Air bag associated ocular injuries. *J Ophth Surg Lasers* 1997; 28(3): 246-250

Manche EE, Maloney RK: Keratomileusis in-situ for high myopia. *J Cataract Refract Surg* 1996; 22:1443-1450

Manche EE, Maloney RK: Astigmatic keratotomy combined with myopic keratomileusis in-situ (automated lamellar keratoplasty) for compound myopic astigmatism. *Am J Ophthalmol*. 1996; 122:18-28

Manche EE, Judge A, Maloney RK: Lamellar keratoplasty for hyperopia. *J Refract Surg*. 1996. Jan-Feb;12(1):42-49.

Lee BL, **Manche EE**, Glasgow BJ: Rupture of radial and arcuate keratotomy scars by blunt trauma 91 months after incisional keratotomy. *Am J Ophthalmol* 1995; 120:108-110

Korte GE, **Manche EE**: Microfibril -microvessel connections in the rabbit eye - Correlative confocal scanning microscopy and electron microscopy. *J Electron Microsc Tech*. 1991; 1:18:74-81

Korte GE, **Manche EE**: Microfibril-microvessel connections in the uvea and optic nerve of the mammalian eye. *Act Anatomica*. 1991; 142:49-56

Manche EE, Korte GE: Ultrastructural evidence of remodeling in the microvasculature of the normal rabbit and human eye. *Act Anatomica*, 1990: 138:89-96

PEER REVIEWED ARTICLES (IN PRESS)

Liu T, Maloney RK, **Manche EE**. Toxic peripheral keratopathy: A syndrome in refractive surgery. *J Cataract and Refract Surg*. In press

Murakami Y, **Manche EE**. Prospective Randomized Comparison of Self-reported Postoperative Dry Eye and Visual Fluctuation in Photorefractive Keratectomy (PRK) and Laser in-situ Keratomileusis (LASIK). *Ophthalmology*. In press

NON-PEER-REVIEWED ARTICLES

Manche EE: Refractive Decisions Section. Aberrometry: Hartmann-Shack or Tscherning? *Refractive Eyecare*. July 2011, 15(7):24

Manche EE, Waring GO: Current concepts in collagen cross-linking for keratoconus and ectasia: What's new in *Journal of Refractive Surgery, Ocular Surgery News*, April 10th, 2010, 28(4):75.

Manche EE, Waring GO: Current concepts in femtosecond laser surgery for presbyopia: What's new in *Journal of Refractive Surgery, Ocular Surgery News*, October 25th, 2009, 27(10):99.

Manche EE, Waring GO: Current concepts in wavefront-guided LASIK surgery: What's new in Journal of Refractive Surgery, Ocular Surgery News, April 10th, 2009, 27(7):69.

Manche EE, Waring GO: Current concepts in LASIK flaps: What's new in Journal of Refractive Surgery, Ocular Surgery News, November 10th, 2008, 26(22):92.

Manche EE, Waring GO: Current concepts in excimer surface ablation – PRK, LASEK and Epi-LASIK: What's new in Journal of Refractive Surgery, Ocular Surgery News, April 10th, 2008, 26(7)121.

Manche EE, Waring GO: Current concepts in LASIK and PRK Surgery: What's new in Journal of Refractive Surgery, Ocular Surgery News, November 15th, 2007, 25(22):71.

Manche EE, Waring GO: Current concepts in posterior chamber phakic intraocular lenses: What's new in Journal of Refractive Surgery, Ocular Surgery News, April 15th, 2007, 25(8):175.

Manche EE, Waring GO: Current concepts in long-term outcomes using early versions of phakic intraocular lenses. What's New in Journal of Refractive Surgery, Ocular Surgery News, November 1, 2006, 24(21):92.

Manche EE, Waring GO: Current concepts in surface ablation, PRK, LASEK and Epi-LASIK: What's New in Journal of Refractive Surgery, Ocular Surgery News, June 1, 2006, 24(11):85.

Manche EE, Waring GO: Current concepts in conductive keratoplasty for the treatment of hyperopia and presbyopia – What's New in Journal of Refractive Surgery, Ocular Surgery News, October 15, 2005, 23(20):161

Manche EE, Waring GO: Measuring wavefront aberrations in the human eye. What's New in Journal of Refractive Surgery, Ocular Surgery News, October 15, 2004, 22(20):32

Lin DY, **Manche EE**: Verisyse Update - Expert Insight. Review of Refractive Surgery, August 2004, 5(3):37-39

Manche EE, et al: Decentered LASIK Ablation: refractive surgery complications management. Cataract and Refractive Surgery Today, August 2004, 4(8):56-59

Manche EE, Waring GO: Wavefront-guided ablation for myopia and myopic astigmatism. What's New in Journal of Refractive Surgery, Ocular Surgery News May 1, 2004, 117

Manche EE: Wavefront-based monovision correction. A Review of Ophthalmology supplement, January 2004, 18-19

Manche EE, Waring GO: Current concepts in wavefront guided custom LASIK. What's New in Journal of Refractive Surgery, Ocular Surgery News November 15, 2003, 21(20)120

Haw WW, **Manche EE**: Surgically induced astigmatism following CK and LTK. Cat Refractive Surg; May 2003, 49-50

Manche EE, Waring GO: Corneal haze after excimer laser keratectomy. What's New in Journal of Refractive Surgery, Ocular Surgery News, April 15, 2003, 21(8)142

Kornmehl EW, Maloney R, **Manche EE**, Wilson S: Special Section: Roundtable: Conductive keratoplasty becomes new player in refractive surgery market. Ophthalmology Times, November 2002; 27(21)14-20

Manche EE, Waring GO: Corneal Physiology and Function After Keratorefractive Surgery. What's New in Journal of Refractive Surgery, Ocular Surgery News, October 2002; 20(20)154

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Wang GW, **Manche EE:** CustomVue PRK for treatment of myopia and compound myopic astigmatism. American Society of Cataract and Refractive Surgery (ASCRS), San Diego, California, May 1, 2004

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Manche EE: The new fluoroquimolones in clinical practice. Society of US Air Force Clinical Surgeons

Manche EE: The Artisan Anterior Chamber Phakic Intraocular Lens for hyperopia: 2004 interim results of the US FDA study. The Royal Hawaiian Meeting 2004, Kauai, Hawaii, January 30, 2004

McDonald MB, Hersh PS, **Manche EE**, Maloney RK, Dandorf JM: Two Year Cohort results of a multicenter US clinical trial on conductive keratoplasty for correcting hyperopia. American Academy of Ophthalmology, Anaheim, California, November 17, 2003.

Manche EE: Mycobacterium keratitis after LASIK. 13th Annual APEX Meeting, Anaheim, California, November 16, 2003.

Manche EE: The Artisan Myopia Lens. Phase III interim results of the US FDA clinical trial. American Academy of Ophthalmology Refractive Surgery Interest Group (RSIG), Anaheim, California, November 14, 2003.

Partial AE, **Manche EE**: Analysis of the efficiency, predictability and safety of laser subepithelial keratectomy for myopia and myopic astigmatism. American Academy of Ophthalmology, Refractive Surgery Interest Group (RSIG), Anaheim, California, November 14, 2003.

Manche EE: Conductive keratoplasty. American Academy of Ophthalmology Refractive Surgery Interest Group (RSIG), Anaheim, California, November 14, 2003.

Manche EE: Surgical Prophylaxis Keynote Address, Twelfth Annual Ocular Surgery News Symposia. New York, New York, September 21, 2003

Manche EE: VISX Custom-CAP Ablations – First U.S. Case, European Society of Cataract and Refractive Surgery (ESCRS), Munich Germany, September 17, 2003

Manche EE: Artisan myopia lens for high and extreme hyperopia – Phase III US FDA results. Societa Oftalmologica Italiana, International Joint Meeting on Cataract and Refractive Surgery, Florence, Italy, May 24, 2003

Manche EE: The Artisan Hyperopia Lens: Phase III interim results of the US FDA clinical trial. Societa Oftalmologica Italiana, International Joint Meeting on Cataract and Refractive Surgery, Florence, Italy, May 24, 2003

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Braun MM, **Manche EE**: Laser in situ keratomileusis enhancement after primary hyperopic correction. Association for Research in Vision and Ophthalmology (ARVO), Fort Lauderdale, Florida, May 6, 2003

Lumba JD, **Manche EE**: Treatment of epithelial ingrowth after laser in situ keratomileusis with mechanical debridement and suturing of the flap. Association for Research in Vision and Ophthalmology (ARVO), Fort Lauderdale, Florida, May 6, 2003

Lin DY, **Manche EE**: Two year results of conductive keratoplasty (CK) for the correction of low to moderate hyperopia. Association of Research in Vision and Ophthalmology (ARVO), Fort Lauderdale, Florida, May 6, 2003

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Lumba J, **Manche EE**: Treatment of epithelial ingrowth after LASIK with mechanical debridement and flap suturing. American Society of Cataract and Refractive Surgery (ASCRS), San Francisco, California, April 13, 2003

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Manche EE: A Phakic Refractive Lens for Myopia: Phase III interim results of the US FDA trial. The Royal Hawaiian Meeting 2003, Maui, Hawaii, January 21, 2003

Manche EE: Refractive Surgical Complications Panel. The Royal Hawaiian Meeting 2003, Maui, Hawaii, January 21, 2003

Manche EE: Re-attachment of an avulsed primary keratectomy flap following LASIK. Apex Corneal Society Meeting, Orlando, Florida, October 20, 2002

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Lindstrom RL, **Manche EE**, Ginsburg A: Quality of vision after conductive keratoplasty (CK) for the correction of hyperopia. International Society of Refractive Surgery (ISRS), Orlando, Florida, October 18, 2002

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Manche EE: Scleral Expansion Bands. ASCRS LASIK Institute Vision Quest 2002 Annual Meeting, August 16, 2002

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Lumba JD, Rojas MC, **Manche EE**: Analysis of refractive verses topographic correction of astigmatism after LASEK. Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Fort Lauderdale, Florida, May 2002

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Rojas, MC, **Manche EE**: Analysis of the efficacy, predictability, and safety of LASEK. Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Fort Lauderdale, Florida, May 2002

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Manche EE: An Adjustable Intraocular Lens – The Calhoun Vision Lens – Emerging Technology Hawaii 2002. The Royal Hawaiian Eye Meeting, Hawaii, January 2002

Manche EE: Hyperopic astigmatic LASIK using the VISX S3, Hawaii 2002. The Royal Hawaiian Eye Meeting, Hawaii, January 2002

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Manche EE: Treatment of flap striae using a suturing technique. International Society of Cataract and Refractive Surgery (ISRS), New Orleans, Louisiana, November 2001

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Manche EE, Shaikh N: LASIK for myopia and compound myopic astigmatism using the Technolas 217 Scanning Spot Laser. American Society of Cataract and Refractive Surgery (ASCRS), San Diego, California, April 2001

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Manche, EE: VISX S3 ActiveTrak™ Excimer Laser and Custom Waveprint Technology. American College of Eye Surgeons 15th Annual Quality Surgery Meeting, Bal Harbour, Florida 2001

Manche, EE: Hyperopic astigmatic LASIK using the VISX S2 Hawaii 2001. The Royal Hawaiian Eye Meeting, Hawaii 2001

Manche EE: Myopic LASIK using the B and L Technolas 217 Hawaii 2001. The Royal Hawaiian Eye Meeting, Hawaii 2001

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Manche EE, Moreno L: Effects of conductive keratoplasty after LASIK. American Society of Cataract and Refractive Surgery (ASCRS), Boston, Massachusetts, May 2000

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Manche EE: Large-zone ablation LASIK for myopia and compound myopic astigmatism using the VISX Star SmoothScan excimer laser. American Society of Cataract and Refractive Surgery (ASCRS), Boston, Massachusetts, May 2000

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Manche EE, Korte GE: Ultrastructural evidence of remodeling in the microvasculature of the normal rabbit and human eye (poster). Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Sarasota, Florida, May 1989

ABSTRACTS

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INVITED LECTURES AND COURSES

Manche EE. Update on Laser correction procedures. Bay Area ASORN Course. Palo Alto, CA. September 10, 2011.

Manche EE. Latest advances in refractive surgery. Bay Area Ophthalmology Course (BAOC). Stanford, CA. July 8, 2011.

Manche EE. Refractive surgical complications. San Mateo County Optometric Society. San Mateo, CA. June 28, 2011.

Manche EE. New applications and results for the latest excimer and femtosecond technologies: Latest results from the Stanford University study on excimer laser surgery outcomes. EyeWorld Education Program. American Society of Refractive Surgery (ASCRS). San Diego, CA. March 26, 2011.

Manche EE. New advances in refractive surgery: The race to provide perfect vision without glasses. Stanford Eye Institute Symposium. Stanford, CA. January 26, 2011.

Manche EE. Latest advances in vision correction procedures. Stanford Health Library Lecture Series. Oshman Family Jewish Community Center. Palo Alto, CA. March 10, 2011.

Manche EE. Recent epidemiologic studies and patient care strategies to prevent post-surgical infection. Hawaiian Eye 2011 CME Lunch Seminar. Hawaiian Eye 2011. Maui, HI. January 19, 2011.

Manche EE. A prospective comparison of wavefront-guided LASIK and wavefront-optimized LASIK: A Stanford study. Customizing patient outcomes with today's laser vision correction technology. American Academy of Ophthalmology Educational Breakfast Meeting. Chicago, IL. October 18, 2010.

Manche EE. Latest advances in refractive surgery. Bay Area Ophthalmology Course (BAOC). Stanford, CA. July 7, 2010.

Manche EE. VISX photorefractive keratectomy and phototherapeutic keratectomy certification course, Course Director, Stanford University School of Medicine, Stanford, California, May 25, 2010.

Manche EE. Intralase technique. Course on ophthalmic advanced surgical techniques (COAST). University of California at San Francisco (UCSF). San Francisco, CA. May 16, 2010

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Manche EE. State of the art in laser vision correction with i-LASIK. Innovators lecture series. American Society of Cataract and Refractive Surgery (ASCRS). San Francisco, CA, April 4, 2009.

Manche EE. Latest advances in refractive surgery. Bay Area Ophthalmology Course (BAOC). Stanford, CA. July 23, 2008.

Refractive Surgical Complications and Management. Panel Discussion: Hawaiian Eye 2007. Kauai, Hawaii, January 15, 2007

Manche EE. Latest advances in refractive surgery. Bay Area Ophthalmology Course (BAOC). Stanford, CA. July 12, 2007.

Retreatments and enhancements with Fourier Algorithms and IR: What are the limits? The next generation of wavefront-guided ablations. Eyeworld Educational Symposium, Las Vegas, Nevada, November 12, 2006

Presbyopia Surgery: Pearls and pitfalls: American Academy of Ophthalmology (AAO) Course 347, Las Vegas, Nevada, November 12, 2006

Manche EE. Latest advances in refractive surgery. Bay Area Ophthalmology Course (BAOC). Stanford, CA. July 7, 2006.

PRK versus LASIK: Controversies in cataract and refractive surgery symposium. Los Angeles, CA April 30, 2006.

IntraLase keratome versus Mechanical keratome: Controversies in cataract and refractive surgery symposium. Los Angeles, CA, April 30, 2006.

Presbyopia Surgery: Pearls and Pitfalls. American Society of Cataract and Refractive Surgery (ASCRS), Course 19-401, San Francisco, California, March 19, 2006

The femtosecond laser for LASIK and advanced corneal surgery: European Society of Cataract and Refractive Surgery (ESCRS) Course 62. Lisbon, Portugal, September 12, 2005

Manche EE. Latest advances in refractive surgery. Bay Area Ophthalmology Course (BAOC). Stanford, CA. July 6, 2005.

Update on Refractive Ophthalmology Spring Focus: Cataract and refractive updated. American Society of Ophthalmic Registered Nurses (ASORN), Palo Alto, California April 23, 2005

Presbyopia Surgery Techniques: Pearls and Pitfalls: American Society of Cataract and Refractive Surgery (ASCRS) Course 4105. Washington D.C., April 15, 2005

VISX photorefractive keratectomy and phototherapeutic keratectomy certification course: Course Director. Stanford University School of Medicine, Stanford, California, January 13, 2005

IntraLase Certification Course: Course Director. Stanford University School of Medicine, Stanford, California, December 11, 2004

Video Grand Rounds – New refractive techniques and LASIK complications: American Academy of Ophthalmology (AAO) Course 556. New Orleans, Louisiana, October 26, 2004

Wavefront Basics and Treatments – Breakfast with the Experts: American Academy of Ophthalmology (AAO) Course B152. New Orleans, Louisiana, October 24, 2004

LASIK Pearls and Pitfalls: American Academy of Ophthalmology (AAO) Course 198. New Orleans, Louisiana, October 24, 2004

Presbyopia Surgery Techniques - Pearls and Pitfalls: American Academy of Ophthalmology (AAO) Course 235. New Orleans, Louisiana, October 24, 2004

Management of Dry Eyes and Ocular Surface Round Table: Alimera Sciences. New Orleans, Louisiana, October 23, 2004

Refractive Surgery Symposium: Co-Chairman. Singapore National Eye Centre Fifteenth Anniversary International Meeting, Singapore, September 5, 2004

Basic and Advanced LASIK Course: Singapore National Eye Centre, Fifteenth Anniversary International Meeting. Singapore, September 3, 2004

Challenge Cup: Intraoperative complications of cataract and refractive surgery: American Society of Cataract and Refractive Surgery (ASCRS). San Diego, California, May 4, 2004

Management of a traumatically dislocated LASIK flap, video Grand Rounds: New refractive techniques and LASIK complications. American Society of Cataract and Refractive Surgery (ASCRS), Course 4304. San Diego, California, May 4, 2004

LASIK Pearls and Pitfalls: A panel discussion of LASIK techniques by experience surgeons. American Society of Cataract and Refractive Surgery (ASCRS), Course 3106. San Diego, California, May 3, 2004

Solutions to Complex refractive surgical problems: The J.J. Bausch Innovation Lecture Series, American Society of Cataract and Refractive Surgery (ASCRS). San Diego, California, May 1, 2004

Ocular Surface Rehabilitation for the Corneal Refractive Surgical Patient: Post-op Management of Today's Dry Eye Patient Symposium. The Royal Hawaiian Eye Meeting 2004, Kauai, Hawaii, January 28, 2004

Management of Striae after LASIK: LASIK video Grand Rounds: Complications Management. American Academy of Ophthalmology, Course A33, Anaheim, California, November 17, 2003

Conductive Keratoplasty - Breakfast with the Experts, American Academy of Ophthalmology, Course B319, Anaheim, California, November 17, 2003

Conductive Keratoplasty - Breakfast with the Experts, American Academy of Ophthalmology, Course B148, Anaheim, California, November 16, 2003

Corneal Topography: An Essential Planning Tool for Refractive Surgery: Applications of the Humphrey ATLAS with VisionPro and Pathfinder, Zeiss Focus of Education, American Academy Ophthalmology, November 15, 2003

Benefits of Higher Order Aberration Correction for the LASIK Patient, American Academy of Ophthalmology, Ophthonix Booth Lecture, Anaheim, California, November 15, 2003

PRK for myopia and myopic astigmatism using the Bausch and Lomb Technolos 217A laser, The J.J. Bausch Innovation Lecture Series, American Academy of Ophthalmology, Anaheim, California, November 15, 2003

VISX CustomVue™ Education Course Coordinator, San Jose, California, August 15, 2003

VISX photorefractive keratectomy and phototherapeutic keratectomy certification course, Course Director, Stanford University School of Medicine, Stanford, California, August 12, 2003

Corneal refractive options for myopia: Kaiser Permanente 2003 Ophthalmology Symposium, Cataract and Refractive Surgery, Kaiser Permanente. Long Beach, California, June 7, 2003

Conductive keratoplasty should be the first options for the treatment of hyperopia, Kaiser Permanente 2003 Ophthalmology Symposium, Cataract and Refractive Surgery. Kaiser Permanente. Long Beach, California, June 7, 2003

Presbyopia Surgery, course 4205: American Society of Cataract and Refractive Surgery (ASCRS), San Francisco, California, April 15, 2003

LASIK Techniques: Pearls and Pitfalls, course 4411: American Society of Cataract and Refractive Surgery. San Francisco, California, April 15, 2003

Clinical Results of Myopic Correction Using the Bausch & Lomb Laser: Innovators' Lecture Series, American Society of Cataract and Refractive Surgery (ASCRS). San Francisco, California, April 12, 2003

Wavefront Assessment after C-CAP Ablations: Assessing and Refining Visual Acuity through Wavefront Technology. American Society of Cataract and Refractive Surgery (ASCRS), San Francisco, California, April 11, 2003

New and Emerging Technology: The Seventeenth Annual Morton D. Sarver Lecture Series on Contact Lenses and the Cornea, Berkeley, California February 1, 2003

LASIK Complications: Avoidance and Management. The Seventeenth Annual Morton D. Sarver Lecture Series on Contact Lenses and the Cornea, Berkeley, California February 1, 2003

Vukich J, O'Brien TP, Schallhorn SC, Hardten DR, Greenberg K, **Manche EE**: Making the leap to Wavefront technology with the VISX WaveScan Diagnostics and the PreVue Lens. The Royal Hawaiian Meeting 2003, Maui, Hawaii, January 21, 2003

Belville JK, Smith R, Maloney R, Nordan L, **Manche EE**, Thompson V, Donnenfeld E, Chayet A, Lindstrom R, Durrie D, Olkowski J: Workshops: LASIK Techniques: Pearls and Pitfalls. The Royal Hawaiian Meeting 2003, Maui, Hawaii, January 20, 2003

LASIK and LASEK for myopia and compound myopic astigmatism using the Bausch and Lomb, 217A excimer laser, Innovators Lecture Series, Orlando, Florida, October 21, 2002

Comparison of Optical Zone Sizes with Conductive Keratoplasty and H-LASIK. Innovators Lecture Series, Orlando, Florida, October 21, 2002

Conductive Keratoplasty Discussion Group Leader, American Academy of Ophthalmology, Orlando, Florida, October 21, 2002

Phakic Intraocular lens Discussion Group Leader. American Academy of Ophthalmology 2002 Subspecialty Day, Orlando, Florida, October 19, 2002

LASIK Complications Discussion Group Leader, American Academy of Ophthalmology 2002 Subspecialty Day, Orlando, Florida, October 18, 2002

New and Emerging Technology; San Mateo Optometric Society, Palo Alto, California, September 29, 2002

VISX Custom-CAP treatments: "VISX WaveScan" Custom Trials and Custom-CAP Update Meeting, Los Angeles, California, September 25, 2002

Results using VISX topographic customized contoured ablations. “Customized Ablation: Proving Results”. European Society of Cataract and Refractive Surgeons (ESCRS), Nice, France, September 6, 2002

LASIK Institute Vision Quest 2002 Annual Meeting. American Society of Cataract and Refractive Surgery (ASCRS) Program Co-Chairman, San Francisco, California, August 16-18, 2002

LASIK for myopia and compound myopic astigmatism using the Bausch and Lomb 217A excimer laser, innovators lecture series. American Society of Cataract and Refractive Surgery (ASCRS), Philadelphia, Pennsylvania, June 3, 2002

VISX Custom-CAP for decentered ablations: The first U.S. cases, Innovators Lecture Series. American Society of Cataract and Refractive Surgery (ASCRS), Philadelphia, Pennsylvania, June 3, 2002

Presbyopia: Surgical Management, course number 2405. American Society of Cataract and Refractive Surgery (ASCRS), Philadelphia, Pennsylvania, June 2, 2002

Intra-stromal Conductive Keratoplasty: Now and emerging technologies in refractive surgery, course number 2302. American Society of Cataract and Refractive Surgery (ASCRS), Philadelphia, Pennsylvania, June 2, 2002

Striae Management following LASIK: LASIK Pearls and Pitfalls – A panel discussion of LASIK techniques by experienced surgeons, Course number 2206. American Society of Cataract and Refractive Surgery (ASCRS), Philadelphia, Pennsylvania, June 2, 2002

Comparison of Topographic Optical Zones: Conductive keratoplasty verses. H LASIK, Innovators Lecture Series. American Society of Cataract and Refractive Surgery (ASCRS), Philadelphia, Pennsylvania, June 2, 2002

LASIK Complications: 86th Annual Assembly of the American Osteopathic Colleges of Ophthalmology and Otolaryngology Head and Neck Foundation Meeting: San Diego, California, May 4, 2002

Latest Advances in Hyperopia Management: 86th Annual Assembly of the American Osteopathic Colleges of Ophthalmology and Otolaryngology Head and Neck Foundation Meeting: San Diego, California, May 4, 2002

Technological Advances in Refractive Surgery: Santa Clara Optometric Society, Stanford, California, March 21, 2002

Innovations in Ophthalmology and Refractive Surgery: Los Gatos/Saratoga Stanford Alumni Association. Los Gatos, California February 20, 2002

Management of Striae Post LASIK - LASIK Techniques: Pearls and Pitfalls Course Co-Director. The Royal Hawaiian Eye Meeting 2002, Hawaii, January 24, 2002

Management of Flap Striae Following LASIK - LASIK video Grand Rounds: Complications Management, course 482. American Academy of Ophthalmology, New Orleans, Louisiana, November 13, 2001

Artisan Phakic IOL for Hyperopia: International Society of Cataract and Refractive Surgery (ISRS), New Orleans, Louisiana, November 10, 2001

Intrastromal conductive keratoplasty: Emerging technologies in cataract and refractive surgery, course 168. American Academy of Ophthalmology, New Orleans, Louisiana, November 11, 2001

LASIK Complications Discussion Group Leader, American Academy of Ophthalmology Refractive Surgery 2001 Subspecialty Day, New Orleans, Louisiana, November 10, 2001

Management of Striae Post LASIK - LASIK Pearls and Pitfalls: A panel discussion of LASIK techniques by experienced surgeons. International Society of Refractive Surgery, New Orleans, Louisiana, November 10, 2001

LASIK Complications Discussion Group Leader, American Academy of Ophthalmology Refractive Surgery 2001 Subspecialty Day, New Orleans, Louisiana, November 9, 2001

VISX photorefractive keratectomy and phototherapeutic keratectomy certification course, course director, Stanford University School of Medicine, Stanford, California, August 28, 2001

Conductive Keratoplasty: Data from the US FDA submission. Refractec Innovators Lecture Series, San Diego, California, April 27, 2001

Fundamentals of Conductive Keratoplasty - Perspective on Conductive Keratoplasty Symposium, San Diego, California, April 27, 2001

Comparisons of Current Laser Ablation Smoothness - VISX Refractive Society Symposium, San Diego, California, April 27, 2001

Innovations in Ophthalmology and Refractive Surgery - Stanford on the Road Lecture Series, Los Angeles, California, March 10, 2001

VISX Photorefractive Keratectomy and Phototherapeutic Keratectomy Certification course, course Director. Stanford University School of Medicine, Stanford, California, March 1, 2001.

Emerging Technologies in Cataract and Refractive Surgery, course 558. American Academy of Ophthalmology, Dallas, Texas, October 25, 2000

Conductive Keratoplasty: Results from Stanford. Refractec Innovators Lecture Series AAO, Dallas, Texas, October 22, 2000

Topography and Wavefront Analysis Discussion Group Leader. American Academy of Ophthalmology Refractive Surgery 2000 Subspecialty Day, October 21, 2000

LASIK Complications Discussion Group Leader. American Academy of Ophthalmology Refractive Surgery 2000 Subspecialty Day, October 20, 2000

Refractive Surgery for Hyperopia: ISRS Annual Resident/Fellow Course. World Refractive Surgery Symposium, Dallas, Texas, October 20, 2000

LASIK Open Wet Lab Course Director. World Refractive Surgery Symposium, Dallas, Texas, October 21, 2000.

ISRS Poster Competition Judge. International Society of Refractive Surgery, Dallas, Texas, October 20, 2000

Non-excimer lasers and new devices. World Refractive Surgery Symposium, Dallas, Texas, October 2000

Thermal Keratoplasty. Ninth Annual Ocular Surgery News Symposium, New York, New York, September 17, 2000

Refractive Surgery Complications: Avoidance and Management. Ophthalmic Symposium, California Academy of Ophthalmology, San Francisco, California, September 16, 2000

Latest Advances in Hyperopic and Presbyopic Refractive Surgery. Ophthalmic Symposium, California Academy of Ophthalmology, San Francisco, California, September 16, 2000

LASIK Complications: Avoidance and Management. Pearls of Ocular Surgery, Scripps Clinic, June 5, 2000

Mastering the use of the Hansatome microkeratome. Bausch and Lomb Innovators Lecture Series. ASCRS, Boston, Massachusetts, May 20, 2000

New and Emerging Technologies in Cataract and Refractive Surgery, course 3307. ASCRS, Boston, Massachusetts, May 22, 2000

LASIK Complications: Avoidance and Management. Peninsula Eye Society, California, March 2000

Corneal Topography-Techniques and Interpretation. Hawaii 2000 Hawaiian Eye Society Meeting, Hawaii, January 2000

Complications of Refractive Surgery: Avoidance and Management. Los Angeles Society of Ophthalmology, California, December 1999

Emerging Technologies in Cataract and Refractive Surgery (ASCRS), course 317. American Academy of Ophthalmology, Orlando Florida, October 1999

New Developments in Refractive Surgery. Stanford Medical Seminar: Innovations in Eye Care. Stanford, California, October 6, 1999

Refractive Surgery: Pearls and Pitfalls. Cedar Sinai Medical Center, Los Angeles, California, June 1999

Hyperopic LASIK. Panel Moderator. American Society of Cataract and Refractive Surgeons, Seattle, Washington, April 11, 1999

Advances in Lamellar and Penetrating Keratoplasty Techniques, Course 2302. American Society of Cataract and Refractive Surgery (ASCRS), Seattle, Washington, April 11, 1999

New and Emerging Technologies in Cataract and Refractive Surgery, Course 1102. American Society of Cataract and Refractive Surgery (ASCRS), Seattle, Washington, April 10, 1999

Update in Refractive Surgery: Trade Secrets. Bascom Palmer Eye Institute. Miami, Florida, April 24, 1999

Evaluation of Refractive Surgical Patients Hawaii 1999. The Royal Hawaiian Eye Meeting, Hawaii, January 1999

Current Concepts in Refractive Surgery. American Academy of Optometry, San Francisco, California, December 1998

Astigmatism Management: Raising the Bar to a Spherical Cornea. International Society of Refractive Surgery, New Orleans, Louisiana, November 10, 1998

Emerging Technologies in Cataract and Refractive Surgery, Course 624. American Academy of Ophthalmology Annual Meeting, New Orleans, Louisiana, November 10, 1998

Stanford University Update on Cataract and Refractive Surgery, course director. Stanford University School of Medicine, Stanford, California September 25, 1998

VISX photorefractive keratectomy and phototherapeutic keratectomy - certification course, course director, Stanford University School of Medicine, Stanford, California, February 1998

LASIK Complications Avoidance and Management. Morton Sarver Lecture Series, University of California at Berkeley, Berkeley, California, January 1998

Photorefractive keratectomy and phototherapeutic keratectomy - certification course, course director, Stanford University School of Medicine, Stanford, California, November 1997

Update on Refractive Surgery. California Optometric Association, Palm Springs California, October 1997

C-LASIK- Certification Course, Course Director. Stanford University School of Medicine, Stanford, California, October 1997

VISX photorefractive keratectomy and phototherapeutic keratectomy - Certification Course, Course Director, Stanford University School of Medicine, Stanford, California, August 1997

Summit Photorefractive Keratectomy - Certification Course. Course Director. Stanford University School of Medicine, Stanford, California, April 1997

Summit Photorefractive Keratectomy - Certification Course, Course Director. Stanford University School of Medicine, Stanford, California, December 1996

Summit Photorefractive Keratectomy - Certification Course, Course Director. Stanford University School of Medicine, Stanford, California, September 1996

Co-management - Certification Course, Stanford University School of Medicine, Stanford, California, May 1996

Summit Photorefractive Keratectomy - Certification Course. UCLA-Jules Stein Eye Institute, Los Angeles, California, March 1996

SCIENTIFIC SESSION MODERATOR AND PANELIST

Free Paper Session: Outcome myopia. Moderator. European Society of Cataract and Refractive Surgery (ESCRS). Vienna, Austria. September 20, 2011.

Scientific Papers and Symposium: Keratorefractive - Imaging, Astigmatism. Session 3-I. Moderator. American Society of Cataract and Refractive Surgery (ASCRS). San Diego, CA, March 28, 2011.

Free Paper Session: Laser Refractive Surgery. Moderator. European Society of Cataract and Refractive Surgery (ESCRS). Paris, France. September 7, 2010.

Keratorefractive: Presbyopia: Laser Based. Session 3-M. Panelist. American Society of Cataract and Refractive Surgery (ASCRS). Boston, MA, April 12, 2010.

Excimer Laser Surgery: Section IV. Moderator. International Society of Refractive Surgery and the American Academy of Ophthalmology Refractive Surgery Subspecialty Day. San Francisco, CA. October 23, 2009

Keratorefractive: Treatment of Presbyopia: Session 1-K. Panelist. American Society of Cataract and Refractive Surgery (ASCRS). San Francisco, CA, April 4, 2009.

Keratorefractive: Corneal Measurements: Session 4-G. Moderator. American Society of Cataract and Refractive Surgery (ASCRS). Chicago, IL, April 8, 2008.

Keratorefractive: Surface Ablations: Session 2-P. Moderator. American Society of Cataract and Refractive Surgery (ASCRS). San Diego, CA, April 29, 2007.

Cornea and Refractive: To Flap or Not To Flap: LASIK, PRK, Solid State LASIK Epi-LASIK Laser. Section IV. Moderator. International Society of Refractive Surgery and the American (ISRS) Academy of Ophthalmology (AAO), Hong Kong, China, May 15, 2005

Refractive: Femtosecond Laser, LASIK complications, - Session 2-Q. Moderator. American Society of Cataract and Refractive Surgery (ASCRS) Washington, D.C., April 17, 2005

International Joint Meeting of Ocular Surgery News (OSN), Associazione Italiana di Della Cataratta E Refrattiva (AICCER) and International Society of Refractive Surgery (ISRS). Italian Society of Ophthalmology. President-Session 16. Naples, Italy. May 21, 2004

Refractive Microkeratome, LASIK, DLK: Session 2-K. Moderator. American Society of Cataract and Refractive Surgery (ASCRS), San Diego, California, May 2, 2004

Kaiser Permanente 2003 Ophthalmology Symposium, Cataract and Refractive Surgery. Kaiser Permanente, Panelist, Long Beach, California, June 7, 2003

Ophthalmology Refractive Surgery Symposia: Co-Chairman. Societa Oftalmologica Italianan, International Joint Meeting on Cataract and Refractive Surgery, Florence, Italy, May 24, 2003

Presbyopia: Moderator, American Society of Cataract and Refractive Surgery (ASCRS), San Francisco, California, April 13, 2003

Expanding Refractive Surgery through Technology: Moderator, American Society of Cataract and Refractive Surgery (ASCRS) LASIK Institute, Vision Quest 2002 Annual Meeting, August 16, 2002

Refractive Surgery Outer Limits: "Would you treat this patient?" Moderator, American Society of Cataract and Refractive Surgery (ASCRS) LASIK Institute, Vision Quest 2002 Annual Meeting, August 16, 2002

Advertising in Ophthalmology: Panel Participant. ASCRS LASIK Institute, Vision Quest 2002 Annual Meeting, August 17, 2002

LASIK Panel: Moderator. American Society of Cataract and Refractive Surgery (ASCRS), Philadelphia, Pennsylvania, June 2002

Refractive Surgical Complications: Panel Participant. Hawaii 2002. The Royal Hawaiian Eye Meeting, Hawaii 2002

LASIK Complications II: Panel Moderator: International Society of Cataract and Refractive Surgery (ISRS), New Orleans, Louisiana, November 2001

Intraocular Lenses: Panel Participant: American Society of Cataract and Refractive Surgery (ASCRS), San Diego, California, April 2001

Refractive Surgical Complications: Panel Participant. Hawaii 2001. The Royal Hawaiian Eye Meeting, Hawaii 2001