Stanford



Edward Manche, MD

Professor of Ophthalmology

CLINICAL OFFICE (PRIMARY)

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Bio

BIO

Edward E. Manche, MD is Professor of Ophthalmology and Director of the Cornea and Refractive Surgery Service at Stanford University School of Medicine. He received his medical degree from Albert Einstein College of Medicine and completed residency training at the University of Medicine and Dentistry at New Jersey where he served as Chief Resident. He completed a two-year fellowship in Cornea and Refractive Surgery at the Jules Stein Eye Institute at UCLA.

Dr. Manche is a fellow of the American Academy of Ophthalmology and received its Achievement Award in 2003 and its Senior Achievement Award in 2014. He was elected to active membership in the American Ophthalmological Society in 2011, and is recognized in Best Doctors in America and Guide to America's Top Physicians. He serves on the editorial boards of the American Journal of Ophthalmology, Journal of Ophthalmology, Clinical and Experimental Ophthalmology and Journal of Refractive Surgery.

He lectures widely on topics in cornea and refractive surgery and has published over 130 peer-reviewed articles and 30 book chapters.

CLINICAL FOCUS

- Cornea and External Diseases Specialist

ACADEMIC APPOINTMENTS

- Professor-Univ Med Line, Ophthalmology
- Member, Bio-X

PROFESSIONAL EDUCATION

- Fellowship: UCLA Ophthalmology Fellowships at Jules Stein Eye Institute (1996) CA
- Medical Education: Albert Einstein College of Medicine (1990) NY
- Residency: Rutgers New Jersey Medical School Ophthalmology Residency (1994) NJ
- Internship: Staten Island University Hospital (1991) NY

- Board Certification: Ophthalmology, American Board of Ophthalmology (1996)

Research & Scholarship

CLINICAL TRIALS

- An Evaluation of LASIK, SMILE and PRK Surgery in Physicians, Recruiting
- A Comparison of Fellow Eyes Undergoing LASIK or PRK With a Wavefront-guided Excimer Laser Versus a Wavefront-optimized Excimer Laser, Not Recruiting
- A Comparison of LASIK Outcomes Using Two Femtosecond Lasers, Not Recruiting
- A PHASED, PROSPECTIVE, MULTI-CENTER STUDY OF THE ELITA SYSTEM, Not Recruiting
- A Prospective, Contralateral, Eye to Eye Comparison of SMILE Surgery to LASIK Surgery, Not Recruiting
- A Safety, Efficacy and Pharmacokinetic Study of AGN-199201 and AGN-190584 in Patients With Presbyopia, Not Recruiting
- An Outcomes Study Comparing the Intralase FS 60 to the Intralase iFS When Performing LASIK Surgery for Nearsightedness, Not Recruiting
- Effect of Preoperative Pupil Size on Quality of Vision After Wavefront-Guided LASIK, Not Recruiting
- High Resolution Wavefront-guided vs. Wavefront Optimized LASIK, Not Recruiting
- IntraLase vs Hansatome Flaps in LASIK, Not Recruiting
- Investigation of the Presbia Flexivue Microlens™, Not Recruiting
- LASIK Using the Alcon Allegretto Wavefront-Guided Excimer Laser vs AMO Visx Wavefront-Guided Excimer Laser, Not Recruiting
- Post Photorefractive Keratectomy (PRK) Use of an Eye Shield for Maintaining Vision and Mitigating Pain, Not Recruiting
- Quality of Vision and Quality of Life With LASIK, Not Recruiting
- Safety and Effectiveness of Wavefront-Guided LASIK Corrections of Myopic Refractive Errors, Not Recruiting
- Study of Efficacy and Safety of SAF312 Eye Drops in Subjects With Post-operative Corneal Induced Chronic Pain (CICP), Not Recruiting
- Tissue Sealant Use in LASIK Enhancement Surgery, Not Recruiting
- Topography-guided LASIK Surgery, Not Recruiting
- Wavefront-guided Photorefractive Keratectomy (PRK) Versus Wavefront-guided Lasik for Myopia, Not Recruiting
- Wavefront-guided PRK vs Wavefront-optimized PRK, Not Recruiting
- Wavefront-guided Versus Wavefront-optimized LASIK for Nearsightedness, Not Recruiting
- Wavefront-guided vs. Topography-guided LASIK, Not Recruiting
- Outcomes of CTAK Surgery, Not Specified

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Megan Chung

Publications

PUBLICATIONS

- **Patient-Reported Quality of Vision in a Prospective Trial of Wavefront-Guided LASIK and PRK Performed by Corneal Fellows in Training.** *Journal of refractive surgery (Thorofare, N.J. : 1995)*
  Chung, M. E., Manche, E. E.
  2026; 42 (8): e770-e779

- **Response to Letter Regarding "Long-Term Outcomes of Corneal Crosslinking for Keratoconus Across Pediatric, Adolescent, and Adult Populations in a Diverse U.S. Population".** *Journal of cataract and refractive surgery*
  Chen, K. M., Wungcharoen, T., Zhao, C., Myung, D., Manche, E.
  2026
- **Long-Term Outcomes of Corneal Crosslinking for Keratoconus Across Pediatric, Adolescent, and Adult Populations in a Diverse U.S. Population.** *Journal of cataract and refractive surgery*
  Chen, K. M., Wungcharoen, T., Zhao, C., Myung, D., Manche, E.
  2026
- **Comparison of Predicted Versus Actual Corneal Ablation Depth in Wavefront-guided LASIK and Keratorefractive Lenticule Extraction.** *Journal of refractive surgery (Thorofare, N.J. : 1995)*
  Ahluwalia, A., Yu, M. D., Manche, E. E.
  2026; 42 (1): e41-e48
- **A Prospective Study Analyzing Wavefront-Guided LASIK and PRK Surgery Performed by Cornea Fellows in Training.** *Journal of cataract and refractive surgery*
  Chung, M. E., Manche, E. E.
  2025
- **Reply to comment: Advancing corneal cross-linking through customized and precision-based protocols** *TAIWAN JOURNAL OF OPHTHALMOLOGY*
  Naranjo, A., Manche, E. E.
  2025
- **Prospective, Randomized, Contralateral Eye Comparison of Wavefront-Guided and Topography-Guided Laser In Situ Keratomileusis.** *Journal of cataract and refractive surgery*
  Lu, L., Manche, E.
  2025
- **A Prospective, Randomized Study Analyzing Wavefront-Guided LASIK and PRK Surgery Performed by Cornea Fellows: 3 Month Data**
  Chung, M., Manche, E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **A Prospective Study Analyzing Visual Outcomes of LASIK and PRK in Physicians**
  Kim, J., Manche, E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Comparing femtosecond LASIK and small-incision lenticule extraction (SMILE).** *Current opinion in ophthalmology*
  Ahluwalia, A., Manche, E. E.
  2025
- **Outcomes After Corneal Crosslinking for Keratoconus in Children and Young Adults** *CORNEA*
  Saleh, S., Koo, E. B., Lambert, S. R., Manche, E. E.
  2025; 44 (4): 408-416
- **12-Month Visual and Refractive Outcomes of Topography-guided Femtosecond Laser- Assisted LASIK for Myopia and Myopic Astigmatism** *JOURNAL OF REFRACTIVE SURGERY*
  Saleh, S., Epp, L. J., Tran, E., Manche, E. E.
  2024; 40 (9): e595-e603
- **Refractive Surgery Patient Characteristics Associated With Satisfaction Scores** *JOURNAL OF REFRACTIVE SURGERY*
  Tran, E. M., Manche, E. E.
  2024; 40 (8): e539-e543
- **Contralateral Eye Comparison of Higher -Order Aberrations Following Wavefront-Guided and Topography Guided LASIK: 6-Month Results**
  Lu, L., Manche, E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Patient-Reported Outcomes and Higher Order Aberrations Following Topography-Guided Femtosecond Laser-Assisted In Situ Keratomileusis.** *Cornea*

Ahluwalia, A., Ma, K. K., Manche, E. E.
2024

- **A comprehensive review on corneal crosslinking.** *Taiwan journal of ophthalmology*
  Naranjo, A., Manche, E. E.
  2024; 14 (1): 44-49

- **Refractive Surgery Patient Characteristics Associated with Satisfaction Scores**
  Tran, E., Manche, E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023

- **Refractive Results and Perceived Quality of Vision in Physicians Undergoing LASIK and PRK**
  Arboleda, A., Manche, E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023

- **Subjective visual experience and ocular symptoms after wavefront-guided and wavefront-optimized LASIK in a prospective fellow eye study.** *American journal of ophthalmology*
  Chiang, B., Manche, E. E.
  2023

- **Patient-Reported Outcomes With Wavefront-Guided Laser in Situ Keratomileusis (PROWL) Study Outcomes From a Single Institution** *JOURNAL OF REFRACTIVE SURGERY*
  Lee, M. D., Leibold, C., Manche, E. E.
  2023: 198-204

- **Patient-Reported Quality of Vision in a Prospective Randomized Contralateral-Eye Trial Comparing LASIK and SMILE.** *Journal of cataract and refractive surgery*
  Ma, K. K., Manche, E. E.
  2022

- **Factors affecting eye preference in a prospective randomized controlled fellow eye study comparing WFG-LASIK and WFO-LASIK treatment**
  Chiang, B., Manche, E. E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2022

- **Corneal Sensitivity and Patient-Reported Dry Eye Symptoms in a Prospective Randomized Contralateral-Eye Trial Comparing LASIK and SMILE.** *American journal of ophthalmology*
  Ma, K. K., Manche, E. E.
  2022

- **Effect of corneal epithelial remodeling on visual outcomes of topography-guided femtosecond LASIK.** *Journal of cataract and refractive surgery*
  Saleh, S., Epp, L. J., Manche, E. E.
  2022

- **Prospective, Randomized, Contralateral Eye Comparison of Wavefront-Guided Laser in Situ Keratomileusis (WFG-LASIK) and Small Incision Lenticule Extraction (SMILE) refractive surgeries.** *American journal of ophthalmology*
  Chiang, B., Valerio, G. S., Manche, E. E.
  2021

- **Drug delivery to the anterior segment of the eye: a review of current and future treatment strategies.** *International journal of pharmaceutics*
  Mofidfar, M., Abdi, B., Ahadian, S., Mostafavi, E., Desai, T. A., Abbasi, F., Sun, Y., Manche, E. E., Ta, C. N., Flowers, C. W.
  2021: 120924

- **Outcomes of corneal crosslinking for keratoconus in children and young adults**
  Saleh, S., Koo, E., Lambert, S., Manche, E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2021

- **Outcomes After Corneal Crosslinking for Keratoconus in Children and Young Adults.** *Cornea*
  Saleh, S., Koo, E. B., Lambert, S. R., Manche, E. E.
  2021

- **Quality of Vision Analysis in Wavefront-guided LASIK Compared to SMILE Surgery: Preliminary Results of a Prospective Study**
  Valerio, G., Manche, E. E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2020
- **One-Year Outcomes From a Prospective, Randomized, Eye-to-Eye Comparison of Wavefront-Guided and Wavefront-Optimized PRK in Myopia** *JOURNAL OF REFRACTIVE SURGERY*
  Smith, R. G., Manche, E. E.
  2020; 36 (3): 160-+
- **A Prospective Comparison of Wavefront-Guided LASIK versus Wavefront-Guided PRK After Previous Keratorefractive Surgery.** *Clinical ophthalmology (Auckland, N.Z.)*
  Lee, M. D., Chen, L. Y., Tran, E. M., Manche, E. E.
  2020; 14: 3411–19
- **Twelve-Month Astigmatic Outcomes from a Prospective, Randomized, Eye-to-Eye Comparison of Wavefront-Guided and Wavefront-Optimized PRK in Myopes**
  Smith, R., Manche, E. E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2019
- **Visual and keratometric outcomes after epithelium-off corneal collagen crosslinking for progressive keratoconus**
  Ortiz, A., Manche, E. E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2019
- **Quality of Vision Outcomes of Fellow-Performed LASIK and PRK**
  Hirabayashi, K., Manche, E. E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2019
- **Patient-reported vision-related quality of life after bilateral wavefront-guided laser in situ keratomileusis** *JOURNAL OF CATARACT AND REFRACTIVE SURGERY*
  Chen, S. P., Manche, E. E.
  2019; 45 (6): 752–59
- **Patient-reported vision-related quality of life after bilateral wavefront-guided laser insitu keratomileusis.** *Journal of cataract and refractive surgery*
  Chen, S. P., Manche, E. E.
  2019
- **Prospective evaluation of a novel silicone corneal shield after PRK: 6-month efficacy, safety, and predictability outcomes.** *Clinical ophthalmology (Auckland, N.Z.)*
  Sáles, C. S., Manche, E. E.
  2019; 13: 115-121
- **Prospective, randomized, eye-to-eye comparison of a new silicone corneal shield versus conventional bandage contact lens after photorefractive keratectomy.** *Journal of cataract and refractive surgery*
  Hirabayashi, K. E., Sáles, C. n., Slade, S. G., Manche, E. E.
  2019; 45 (12): 1782–88
- **Pros and cons of wavefront-guided photorefractive keratectomy** *EXPERT REVIEW OF OPHTHALMOLOGY*
  Roe, J., Manche, E. E.
  2019; 14 (4-5): 187–89
- **Prospective evaluation of a novel silicone corneal shield after PRK: 6-month efficacy, safety, and predictability outcomes** *CLINICAL OPHTHALMOLOGY*
  Sales, C. S., Manche, E. E.
  2019; 13: 115–21
- **Prospective, randomized, contralateral eye comparison of high-resolution wavefront-guided and wavefront-optimized LASIK.** *American journal of ophthalmology*
  Roe, J. R., Manche, E. E.
  2019

- **Hydrogel sealant to prevent recurrent epithelial ingrowth in the setting of a LASIK flap buttonhole.** *American journal of ophthalmology case reports*
  Hirabayashi, K. E., Manche, E. E.
  2019; 15: 100518

- **Management of Complex Epithelial Ingrowth After Laser In Situ Keratomileusis Using Fibrin Tissue Glue** *EYE & CONTACT LENS-SCIENCE AND CLINICAL PRACTICE*
  Chen, L. Y., Kung, J. S., Manche, E. E.
  2018; 44: S210–S214

- **Astigmatic outcomes in myopic wavefront-guided laser in situ keratomileusis versus wavefront-guided photorefractive keratectomy using vector analysis** *JOURNAL OF CATARACT AND REFRACTIVE SURGERY*
  Lee, M. D., Toy, B. C., Manche, E. E.
  2018; 44 (11): 1350–54

- **Management of Complex Epithelial Ingrowth After Laser In Situ Keratomileusis Using Fibrin Tissue Glue.** *Eye & contact lens*
  Chen, L. Y., Kung, J. S., Manche, E. E.
  2018; 44 Suppl 2: S210–S214

- **Astigmatic outcomes in myopic wavefront-guided laser insitu keratomileusis versus wavefront-guided photorefractive keratectomy using vector analysis.** *Journal of cataract and refractive surgery*
  Lee, M. D., Toy, B. C., Manche, E. E.
  2018

- **Vector Analysis of 1-Year Astigmatic Outcomes From a Randomized Fellow Eye Comparison of Photorefractive Keratectomy Using 2 Excimer Laser Platforms**
  Toy, B. C., Manche, E. E.
  LIPPINCOTT WILLIAMS & WILKINS.2018: S71–S76

- **Quality of Vision After Wavefront-Guided or Wavefront-Optimized Photorefractive Keratectomy: A Prospective Randomized Contralateral Eye Study**
  Smith, R., Manche, E. E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2018

- **Recent advances in wavefront-guided LASIK** *CURRENT OPINION IN OPHTHALMOLOGY*
  Manche, E., Roe, J.
  2018; 29 (4): 287–92

- **Recent advances in wavefront-guided LASIK.** *Current opinion in ophthalmology*
  Manche, E., Roe, J.
  2018

- **Comparison of simulated keratometric changes following wavefront-guided and wavefront-optimized myopic laser-assisted in situ keratomileusis** *CLINICAL OPHTHALMOLOGY*
  Lee, W., Manche, E. E.
  2018; 12: 613–19

- **Quality of Vision After Femtosecond Laser or Mechanical Keratome for Laser In Situ Keratomileusis: A Prospective Randomized Contralateral Eye Study**
  Muminovic, I., Manche, E. E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2017

- **Three-Month Outcomes from a Prospective, Randomized, Contralateral, Eye-to-Eye Comparison of Wavefront-Guided and Wavefront-Optimized PRK in Myopes**
  Smith, R., Manche, E. E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2017

- **Real time, non invasive, assessment of transepithelial delivery of riboflavin in the human cornea**
  Lombardo, G., Brownell, M., Villari, V., Micali, N., Manche, E. E., Abbate, A., Lombardo, M.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2017

- **Phototherapeutic keratectomy for epithelial basement membrane dystrophy.** *Clinical ophthalmology (Auckland, N.Z.)*
  Lee, W., Lam, C. K., Manche, E. E.
  2017; 11: 15-22
- **Quality of vision after wavefront-guided laser in situ keratomileusis or photorefractive keratectomy: Contralateral eye evaluation** *JOURNAL OF CATARACT AND REFRACTIVE SURGERY*
  Lee, M. D., Manche, E. E.
  2017; 43 (1): 54-59
- **Vector Analysis of 1-Year Astigmatic Outcomes From a Randomized Fellow Eye Comparison of Photorefractive Keratectomy Using 2 Excimer Laser Platforms.** *Eye & contact lens*
  Toy, B. C., Manche, E. E.
  2016
- **A prospective comparison of wavefront-guided LASIK and wavefront-guided PRK following previous keratorefractive surgery.**
  Chen, L., Manche, E. E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2016
- **Quality of Vision After Wavefront-Guided Laser-Assisted In Situ Keratomileusis (LASIK) or Wavefront-Guided Photorefractive Keratectomy (PRK): A Prospective Randomized Contralateral Eye Evaluation**
  Lee, M., Manche, E. E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2016
- **Phototherapeutic Keratectomy for Epithelial Basement Membrane Dystrophy**
  Lee, W., Lam, C. K., Manche, E. E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2016
- **Comparison of Simulated Keratometric Changes Following Wavefront-Guided and Wavefront-Optimized Myopic Photorefractive Keratectomy** *JOURNAL OF REFRACTIVE SURGERY*
  Lee, W., Manche, E. E.
  2016; 32 (8): 542-548
- **Comparison of femtosecond and excimer laser platforms available for corneal refractive surgery** *CURRENT OPINION IN OPHTHALMOLOGY*
  Chen, L. Y., Manche, E. E.
  2016; 27 (4): 316-322
- **Subjective Quality of Vision After Myopic LASIK: Prospective 1-Year Comparison of Two Wavefront-Guided Excimer Lasers.** *Journal of refractive surgery*
  Yu, C. Q., Manche, E. E.
  2016; 32 (4): 224-229
- **Quality of Vision After Wavefront-Guided or Wavefront-Optimized LASIK: A Prospective Randomized Contralateral Eye Study.** *Journal of refractive surgery*
  Kung, J. S., Manche, E. E.
  2016; 32 (4): 230-236
- **Comparison of self-reported quality of vision outcomes after myopic LASIK with two femtosecond lasers: a prospective, eye-to-eye study.** *Clinical ophthalmology (Auckland, N.Z.)*
  Sáles, C. S., Manche, E. E.
  2016; 10: 1691-1699
- **Trends and Associations in Hospitalizations Due to Corneal Ulcers in the United States, 2002-2012** *OPHTHALMIC EPIDEMIOLOGY*
  Lee, R., Manche, E. E.
  2016; 23 (4): 257-263
- **Comparison of ocular aberrations measured by a Fourier-based Hartmann-Shack and Zernike-based Tscherning aberrometer before and after laser in situ keratomileusis.** *Journal of cataract and refractive surgery*
  Sáles, C. S., Manche, E. E.
  2015; 41 (9): 1820-1825

- **Managing residual refractive error after cataract surgery.** *Journal of cataract and refractive surgery*
  Sáles, C. S., Manche, E. E.
  2015; 41 (6): 1289-1299
- **Vacuum-mediated transepithelial delivery of riboflavin to the cornea**
  Myung, D., Zaler, G., Abbate, A., DiGiore, D., Eaton, D., Manche, E. E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2015
- **Wavefront-Optimized LASIK and PRK in Patients with High Astigmatism**
  Wang, K., Manche, E. E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2015
- **Astigmatism Vector Analysis Comparing Laser In Situ Keratomileusis Flap Creation Using 150kHz and 60kHz Femtosecond Laser Platforms**
  Toy, B. C., Manche, E. E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2015
- **Photorefractive keratectomy for residual refractive error in pseudophakic patients**
  Chen, L., Manche, E. E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2015
- **Vector analysis of 1-year astigmatic outcomes from a prospective, randomized, fellow eye comparison of wavefront-guided and wavefront-optimized LASIK in myopes.** *Journal of refractive surgery*
  Toy, B. C., Yu, C., Manche, E. E.
  2015; 31 (5): 322-327
- **Vector Analysis of 1-Year Astigmatic Outcomes From a Prospective, Randomized, Fellow Eye Comparison of Wavefront-Guided and Wavefront-Optimized LASIK in Myopes** *JOURNAL OF REFRACTIVE SURGERY*
  Toy, B. C., Yu, C., Manche, E. E.
  2015; 31 (5): 322-?
- **Comparison of 2 femtosecond lasers for flap creation in myopic laser in situ keratomileusis: One-year results.** *Journal of cataract and refractive surgery*
  Yu, C. Q., Manche, E. E.
  2015; 41 (4): 740-748
- **Day 1 Wavefront Aberrometry for Prediction of Refractive Outcomes at Year 1 in Myopic LASIK** *JOURNAL OF REFRACTIVE SURGERY*
  Yu, C. Q., Manche, E. E.
  2015; 31 (3): 170-174
- **Contralateral Eye-to-Eye Comparison of Wavefront-Guided and Wavefront-Optimized Photorefractive Keratectomy A Randomized Clinical Trial** *JAMA OPHTHALMOLOGY*
  He, L., Manche, E. E.
  2015; 133 (1): 51-59
- **HOW DO I MANAGE A BUTTONHOLE OR FREE CAP DURING LASIK?** *CURBSIDE CONSULTATION IN REFRACTIVE AND LENS-BASED SURGERY*
  He, L., Manche, E. E.
  edited by Henderson, B. A., Yoo, S. H.
  2015: 43–45
- **Reply: To PMID 24560995.** *American journal of ophthalmology*
  He, L., Liu, A., Manche, E. E.
  2014; 158 (6): 1357-1358
- **Corneal Sensation and Dry Eye Symptoms after Conventional versus Inverted Side-Cut Femtosecond LASIK A Prospective Randomized Study** *OPHTHALMOLOGY*
  Kung, J. S., Sales, C. S., Manche, E. E.
  2014; 121 (12): 2311-2316

- **Corneal sensation and dry eye symptoms after conventional versus inverted side-cut femtosecond LASIK: a prospective randomized study.** *Ophthalmology*
  Kung, J. S., Sáles, C. S., Manche, E. E.
  2014; 121 (12): 2311-2316
- **A Comparison of LASIK Flap Thickness and Morphology Between the Intralase 60-and 150-kHz Femtosecond Lasers** *JOURNAL OF REFRACTIVE SURGERY*
  Yu, C. Q., Manche, E. E.
  2014; 30 (12): 827-830
- **Wavefront-Guided Versus Wavefront-Optimized Laser in situ Keratomileusis for Patients With Myopia: A Prospective Randomized Contra lateral Eye Study** *AMERICAN JOURNAL OF OPHTHALMOLOGY*
  He, L., Liu, A., Manche, E. E.
  2014; 157 (6): 1170-1178
- **Clinical Outcomes of Phototherapeutic Keratectomy after treatment of Epithelial Basement Membrane Dystrophy and Salzmann's nodular corneal dystrophy**
  Lam, C., Manche, E. E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2014
- **A prospective study of corneal sensation following myopic LASIK with two femtosecond lasers**
  Kung, J., Manche, E. E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2014
- **Vector analysis of compound myopic astigmatism comparing wavefront- guided and wavefront-optimized excimer platforms**
  Toy, B. C., Manche, E. E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2014
- **Comparison of 2 wavefront-guided excimer lasers for myopic laser in situ keratomileusis: One-year results** *JOURNAL OF CATARACT AND REFRACTIVE SURGERY*
  Yu, C. Q., Manche, E. E.
  2014; 40 (3): 412-422
- **Prospective Randomized Contralateral Eye Evaluation of Subjective Quality of Vision After Wavefront-Guided or Wavefront-Optimized Photorefractive Keratectomy** *JOURNAL OF REFRACTIVE SURGERY*
  He, L., Manche, E. E.
  2014; 30 (1): 6-12
- **One-year eye-to-eye comparison of wavefront-guided versus wavefront-optimized laser in situ keratomileusis in hyperopes.** *Clinical ophthalmology (Auckland, N.Z.)*
  Sáles, C. S., Manche, E. E.
  2014; 8: 2229-2238
- **One-year eye-to-eye comparison of wavefront-guided and wavefront-optimized laser in-situ keratomileusis in hype ropes** *Clin Ophthalmol*
  Sales, C. S.
  2014; 12 (8): 2229-2238
- **Prospective randomized contralateral eye evaluation of subjective quality of vision after wavefront-guided or wavefront- optimized photorefractive keratectomy.** *Journal of refractive surgery*
  He, L., Manche, E. E.
  2014; 30 (1): 6-12
- **One-Year Outcomes from a Prospective, Randomized, Eye-to-Eye Comparison of Wavefront-Guided and Wavefront-Optimized LASIK in Myopes** *OPHTHALMOLOGY*
  Sales, C. S., Manche, E. E.
  2013; 120 (12): 2396-2402
- **Pupil Size and LASIK: A Review** *JOURNAL OF REFRACTIVE SURGERY*
  Myung, D., Schallhorn, S., Manche, E. E.
  2013; 29 (11): 734-?

- **One Year Quality of Vision Outcomes from a Prospective, Randomized Eye-to-Eye Comparison of Wavefront guided and Wavefront optimized Laser in Situ Keratomileusis (LASIK) using the WaveLight (R) Allegretto Eye-Q 400 Hz**
  Sales, C., Manche, E.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2013
- **Refractive surgical problem: April consultation.** *Journal of cataract and refractive surgery*
  Masket, S., Fram, N. R., Shen, T. T., Talamo, J. H., Manche, E. E.
  2013; 39 (4): 652-655
- **Prospective, Randomized Comparison of Self-reported Postoperative Dry Eye and Visual Fluctuation in LASIK and Photorefractive Keratectomy** *OPHTHALMOLOGY*
  Murakami, Y., Manche, E. E.
  2012; 119 (11): 2220-2224
- **Fibrin glue for prevention of recurrent epithelial ingrowth under a LASIK flap with a central buttonhole defect** *JOURNAL OF CATARACT AND REFRACTIVE SURGERY*
  He, L., Manche, E. E.
  2012; 38 (10): 1857-1860
- **Toxic peripheral keratopathy: A syndrome in laser refractive surgery** *JOURNAL OF CATARACT AND REFRACTIVE SURGERY*
  Liu, A., Maloney, R. K., Manche, E. E.
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