

Elizabeth Shen, MD

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PROFESSIONAL EXPERIENCE

- 4/2023 – present **Irvine Eye Physicians & Surgeons, Inc.**, Irvine – Associate Physician
- 2020 – 1/2023 **Goodman Eye Center**, San Francisco – Cataract, Cornea & Refractive Specialist
- Partner-track associate at a 2 MD and 4 OD premier private practice serving the Bay Area
 - Spearheaded the practice's dry eye center of excellence – equipment evaluation, negotiating, and purchasing; branding/marketing of services to the local optometry community
 - Mentored rotating residents from California Pacific Medical Center
 - Performed pro bono surgeries for low-income, uninsured, undocumented residents of San Francisco through Operation Access, a non-profit organization
 - Lectured at the Bay Area's annual Ocular Symposium for optometrists' continuing education

EDUCATION & TRAINING

- 2019-2020 **Oregon Health & Science University**, Cornea & Refractive Fellowship
- 2016-2019 **Gavin Herbert Eye Institute, University of California, Irvine**, Ophthalmology Residency
- 2015-2016 **Abington Memorial Hospital**, Preliminary Internal Medicine Internship
- 2010-2015 **University of California, San Francisco, School of Medicine**, MD with Distinction
- 2013-2014 **Francis I. Proctor Foundation**, UCSF Clinical & Translational Research Fellowship
- 2006-2010 **Harvard University**, Bachelor of the Arts in Neurobiology, *Magna Cum Laude*

BOARD CERTIFICATION

- 2020 American Board of Ophthalmology, Board-certified

LASER & PROCEDURE CERTIFICATIONS

- 2022 Lumenis Optilight Intense Pulse Light (IPL) Therapy
- 2021 New World Medical Kahook Dual Blade
- 2021 Johnson & Johnson Vision VISX Star S4 Excimer Laser
- 2020 Alcon LenSx Femtosecond Laser
- 2020 Johnson & Johnson Vision Intralase Femtosecond Laser
- 2020 Alcon Wavelight EX500 Excimer Laser
- 2019 Johnson & Johnson Vision Catalys Femtosecond Laser
- 2018 Glaukos iStent

PEER-REVIEWED PUBLICATIONS

- 1) Chamberlain W, **Shen E**, Werner S, Lin C, Rose-Nussbaumer J. Changes in Corneal Power up to 2 Years After Endothelial Keratoplasty: Results From the Randomized Controlled Descemet Endothelial Thickness Comparison Trial. *Am J Ophthalmol*. 2023 Jan;245:233-241.
- 2) **Shen E**, Brodie F, Aggarwal S, Kedhar S. Tracking postoperative positioning in Descemet membrane endothelial keratoplasty using a head positioning sensor. *Graefes Archive for Clinical and Experimental Ophthalmology*. *Graefes Arch Clin Exp Ophthalmol*. 2020 Oct;258(10):2331-2333.
- 3) **Shen E**, Fox A, Johnson B, Farid M. Comparing the effect of three Descemet membrane endothelial keratoplasty inserters on endothelial damage of grafts. *Indian Journal of Ophthalmology*. 2020 Jun;68(6):1040-1043.

- 4) **Shen E**, Tsai L, Castro HM, Wade M, Steinert R, Farid M. Laser-assisted in situ keratomileusis treatment of residual refractive error following femtosecond laser-enabled keratoplasty. *Journal of Ophthalmology*. 2019 Aug;2019: 8520183.
- 5) **Shen E**, Tsao S, Lu S, Kuppermann B. A case of multifocal central serous chorioretinopathy from a progestin-only contraceptive device. *New Frontiers in Ophthalmology*. 2019 Jun;5(2):1-3.
- 6) **Shen E**, Xie K, Jwo K, Smith J, Mosaed S. Dupilimab-induced follicular conjunctivitis. *Ocular Immunology and Inflammation*. 2018 Oct 18:1-3.
- 7) Nathe C, **Shen E**, Crow RW. A case of complete orbital apex syndrome from an Onodi cell mucocele. *Journal of Clinical Ophthalmology*. 2018 Aug;2(2):63-66.
- 8) **Shen E**, Farukhi S, Schmutz M, Mosaed S. Acute angle-closure glaucoma associated with aripiprazole in the setting of plateau iris configuration. *Glaucoma*. 2017 Feb;27(2):40-43.
- 9) **Shen E**, Rathinam SR, Babu M, Thundikandy R, Kanakath A, Lee SM, Browne EN, Porco TC, Acharya NR. Outcomes of Vogt-Koyanagi-Harada disease: a subanalysis from a randomized clinical trial of antimetabolite therapies. *American Journal of Ophthalmology*. 2016 Aug;168:279-86.
- 10) **Shen E**, Porco T, Rutar T. Errors in strabismus surgery. *Archives of Ophthalmology*. 2013 Jan;131(1):75-79.
- 11) Borkar DS, Tham VM, **Shen E**, Parker JV, Uchida A, Vinoya AC, Acharya NR. Association between statin use and uveitis: result from the Pacific Ocular Inflammation study. *American Journal of Ophthalmology*. 2015 Apr;159(4):707-13.
- 12) Zhao D, Young JS, Chen YH, **Shen E**, Yi T, Todorov I, Chu PG, Forman SJ, Zeng D. Alloimmune response results in expansion of autoreactive donor CD4+ T cells in transplants that can mediate chronic graft-versus-host disease. *Journal of Immunology*. 2011 Jan 15;186(2):856-68.

BOOK CHAPTERS

- **Shen E**, Stutzman R, Chamberlain W. Chapter 10: Corneal Foreign Bodies. In: Farid M, editor. *Corneal In-Office Procedures: A Case Based Approach*. 1st ed. Slack; 2022. *In press*.
- **Shen E**, Fox A, Conrick P, Garg S. Pre-Descemet's Endothelial Keratoplasty (PDEK). 1st ed. Agarwal A, editor. USA: Jaypee Brothers, Medical Publishers Pvt. Limited; 2018. Chapter 24, Eye Bank Preparation of Pre-Descemet's Endothelial Keratoplasty Grafts 232p.
- **Shen E**, Hunyh K, Garg S. Chapter 180: Corneal ectasia: prevention, detection, and management. In: Mannis & Holland, editor. *Cornea*. 5th ed. Elsevier; 2021.

OTHER PUBLICATIONS

- **Shen E**, Xie K, Kedhar S. "Presbyopia-Correcting IOLs: Impact on Quality of Life". *Cataract & Refractive Surgery Today*. 2019 Oct.
- **Shen E** and Garg S. "Posterior Corneal Astigmatism in Toric IOL Calculation: The New Kid on the Block". *Medscape*. 2018 Jul.
- **Shen E** and Tao J. "Here Come the Waterworks! Working up patients with excessive tearing." *The Ophthalmologist*. 2017 Oct.

PRESENTATIONS

- **Shen E**, Werner S, Rose-Nussbaumer J, Lin C, Austin, A, Chamberlain W. Changes in Corneal Power after Descemet Membrane Endothelial Keratoplasty versus Ultrathin Descemet Stripping Automated Endothelial Keratoplasty from the DETECT trial. *Paper Presentation*, American Society of Cataract and Refractive Surgery and World Cornea Congress VIII. Virtual Meeting. May 2020.
- **Shen E**, Aggarwal S, Shumway C, Wade M, Garg S, Farid M, Kedhar S. Tracking postoperative positioning in Descemet membrane endothelial keratoplasty using a head positioning sensor. *Poster Presentation*, American Academy of Ophthalmology. Chicago, IL. Oct 2018.

- **Shen E**, Fox A, Johnson B, Farid M. Comparing the effect of three DMEK inserters on endothelial damage of grafts. *Poster Presentation*, American Society of Cataract and Refractive Surgery. Washington, DC. Apr 2018.
- **Shen E**, Mishra K, Fox A, Farid M. Comparing the effect of DMEK inserters on endothelial damage of grafts. *Oral Presentation*, Eye Bank Association of America. Salt Lake City, UT. Jun 2017.
- **Shen E**, Zaffos J, Wade M, Garg S, Farid M. Outcomes of Descemet membrane endothelial keratoplasty: a retrospective review from a single academic institution. *Poster Presentation*, American Society of Cataract and Refractive Surgery. Los Angeles, CA. May 2017.
- **Shen E**, Rathinam SR, Babu M, Radkhika T, Anuradha K, Lee S, Browne E, Porco T, Acharya N. Outcomes of Vogt-Koyanagi-Harada disease from a randomized clinical trial of antimetabolite therapies. *Poster Presentation*, Association for Research in Vision and Ophthalmology. Seattle, WA. May 2016.
- **Shen E**, Rathinam SR, Babu M, Radkhika T, Anuradha K, Lee S, Browne E, Weinrib R, Porco T, Acharya N. Uveitic macular edema outcomes from a randomized clinical trial of antimetabolite therapies. *Oral Presentation*, Association for Research in Vision and Ophthalmology. Orlando, FL. May 2014.
- **Shen E**, Porco T, Rutar T. Errors in strabismus surgery. *Poster Presentation*, American Medical Association Interim Meeting Research Symposium. Honolulu, HI. Nov 2012.

HONORS & AWARDS

- Casey Eye Institute, Fellow of the Year Award (voted by residents), Jun 2020
- Heed Ophthalmic Foundation Resident Retreat, Oct 2018
- American Society of Cataract and Refractive Surgery, Best Papers and Posters Session, 2nd place, Apr 2017
- Association for Research in Vision and Ophthalmology Conference, Ocular Immunology & Uveitis Foundation Travel Grant, May 2014
- ALTA California Eye Research Foundation Grant, May 2014
- UCSF Clinical and Translational Research Fellowship, 2013-2014
- UCSF Dean's Summer Fellowship, 2011
- Harvard College Scholar Award (awarded to top 10% of class in 2007)
- Arcadia High School Valedictorian (ranked #1 in class of 980 students), 2006

GLOBAL HEALTH

- **Jamaica Cataract Camp** (4/2019) – Performed manual small incision cataract surgery at a 3-day cataract camp in Mandeville Regional Hospital, Jamaica.
- **Proctor Foundation Nepal trip** (8/2014) – Traveled with a research team led by Thomas Lietman, MD, for the Village Integrated Eye Worker (VIEW) trial, assessing the efficacy of antibiotic ointment prophylaxis for corneal abrasions to reduce the incidence of corneal ulcers in Nepalese communities.
- **Medical Missions Trip to Yunnan, China** (6/2007, 6/2008, 7/2010) – Volunteered with American Medical & Dental Services on three medical missions trips to rural villages in Yunnan, China.

PROFESSIONAL MEMBERSHIPS

- Member, Women in Ophthalmology (2019 -)
- Member, American Academy of Ophthalmology (2015 -)
- Member, American Society of Cataract and Refractive Surgery (2015 -)
- Member, Association for Research in Vision and Ophthalmology (2014 -)
- Member, American Medical Association (2012 -)
- Member, Harvard Alumni Association (2010 -)

SKILLS & HOBBIES

- Proficient in Mandarin Chinese, elementary medical Mandarin
- *Epic* EMR Superuser
- Enjoys traveling, playing the flute, and toying in amateur photography