

CALEB LEVI SHUMWAY, MD, MBA

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RESIDENCY

Ophthalmology Resident Bronx, NY Jul 2019 - Present
Icahn School of Medicine at Mount Sinai – Bronx Care
Chief Resident Jul 2022 – Present

PRE-RESIDENCY FELLOWSHIP

Ocular Pathology & Research Fellow
University of Utah - Moran Eye Center Salt Lake City, UT Jun 2018- Jun 2019

- Assisted with in vitro, ex-vivo, and in-vivo studies evaluating new surgical techniques, instruments, and new intraocular lens designs.

EDUCATION

University of California, Irvine Irvine, CA Jun 2013 - Jun 2018
Doctor of Medicine (MD)
Master of Business Administration (MBA)

Brigham Young University Provo, UT Aug 2005 - May 2012
Bachelor of Science (BS)

PUBLICATIONS

Papers

- Shumway, C.**, Waite, A. Refractive Surgery for the Underserved: La Fuente in Cusco Peru. Journal of Global Refractive Surgery. In submission. May 2022.
- Pompoco, C. J., Curtin, K., Taylor, S., Paulson, C., **Shumway, C.**, Conley, M., Swiston, C., Stagg, B., Ritch, R., Wirostko, B. M. Summary of Utah Project on Exfoliation Syndrome (UPEXS): using a large database to identify systemic comorbidities. BMJ open ophthalmology. Oct 2021.
- Shumway, C.**, Curtin, K., Taylor, S., Sundar, K. M., Wirostko, B. M., & Ritch, R. Association between Obstructive Sleep Apnea and Exfoliation Syndrome: The Utah Project on Exfoliation Syndrome. Ophthalmology Glaucoma. May 2021.
- Shumway, C.**, Patel, B. C., & De Jesus, O. Neuromyelitis Optica (NMO, Devics Disease). StatPearls. Mar 2021.
- Bhatter, P., Cao, L., Crochetiere, A., Raefsky, S. M., Cuevas, L. R., Enendu, K., Frisch, E., **Shumway, C.**, Gore, C. & Browne, A. W. Using a Macro Lens for Anterior Segment Imaging in Rural Panama. Telemedicine and e-Health. Nov 2020.
- Shumway, C.**, Aggarwal, S., Park, S. T., Wade, M., & Kedhar, S. Complicated case of Mycobacterium abscessus conjunctivitis in Sjögren's syndrome. American journal of ophthalmology case reports. Jun 2020.

- Balendiran, V., Werner, L., Ellis, N., **Shumway, C.**, Jiang, B., Kamae, K., & Mamalis, N. Uveal and capsular biocompatibility of a new hydrophobic acrylic microincision intraocular lens. JCRS. Mar 2020.
- Ellis, N., Werner, L., Balendiran, V., **Shumway, C.**, Jiang, B., & Mamalis, N. Posterior capsule opacification prevention by an intraocular lens incorporating a micropatterned membrane on the posterior surface. JCRS. Jan 2020.
- **Shumway, C.**, Aggarwal S., Farid, M., Muniz-Castro H., Jarstad, A., Garg, S., Kedhar, S., Wade, M. Penetrating keratoplasty using femtosecond laser: A comparison of postoperative visual acuity and astigmatism by suture pattern. Cornea. Dec 2019.
- **Shumway, C.**, Ellis, N., Heczko, J., Jiang, B., Werner, L., & Mamalis, N. Evaluation of the capsular safety of a new hybrid phacoemulsification tip in a cadaver eye model. JCRS. Nov 2019.
- Wade, M., Muniz-Castro H., Garg, S., Kedhar, S., Aggarwal S., **Shumway, C.**, Farid, M. Long-Term Results of Femtosecond Laser Enabled Keratoplasty with Zig-Zag Trephination. Cornea. Jan 2019.
- Aggarwal, S., Knight, D., **Shumway, C.** Wade, M., Crow, W., Kupperman, B. Retrospective Review of Visual Acuity Changes Post-Cataract Surgery in Patients with Optic Neuropathy. Acta Ophthalmologica. Dec 2018.
- Miner, B., Purdy, A., Curtis, L., Simonson, K., **Shumway, C.**, Baker, J., Vaughan, J., Percival, K., Sanchez, O., Lahham, S., Joseph, L., Fox, J. C. Feasibility study of first-year medical students identifying cardiac anatomy using ultrasound in rural Panama. World J Emerg Med. Sep 2015.

Presentations

- **Shumway, C.**, Andrade, J., Buxton, D., Nataneli, N., Mayers, M., Wade, M. A Novel Suture Device for Anterior Segment Applications. ARVO May 2022.
- **Shumway, C.**, Murdakhayev, E., Nataneli, N. DMEK Practice Patterns: Surgeon Preferences and Anatomic Limitations. ASCRS Apr 2022.
- **Shumway, C.**, Stern, E., Lopez, M., Zhou, Z. A Peculiar Scotoma After Covid 19. New York Retina Oct 2021.
- **Shumway, C.**, Carasquillo, O., Kumar, S., Friedman, I. A Case of Penetrating Ocular Trauma: A Delayed Presentation with an Unusual Cyst. American Society of Ophthalmic Trauma. Jun 2021.
- **Shumway, C.**, Tucker, J., Wade, M., Chao, T., Vu, T., Garg, S. Farid, M. Lens Meridian Position: A Novel Biometry Variable and Its Implications for Refractive Calculation. ASCRS May 2020.
- Werner, L. **Shumway, C.**, Lubeck, D., Ellis, N., Heczko, J., Bontu, S., Kennedy, S., Mamalis, N. Hybrid Phacoemulsification Tip to Enhance Capsular Safety. ASCRS May 2020.
- **Shumway, C.**, Wirostko, B., Curtin, K., Taylor, S., Paulson, C., Annis, T., Ritch, R. Risk factors for Progression of Exfoliation Glaucoma: A Longitudinal Epidemiological Study. AAO Oct 2019.
- **Shumway, C.**, Ellis, N., Mamalis, N., Werner, L. Evaluation of the Capsular Safety of a Novel Hybrid Phacoemulsification Tip in a Cadaver Eye Model. ASCRS May 2019.
- Mamalis, N., Balendiran, V., Ellis, N., **Shumway, C.**, ASCRS/ESCRS Survey on Foldable IOLs Requiring Explantation or Secondary Intervention: 2018 Update. ASCRS May 2019.
- Tucker, J., **Shumway, C.**, Muniz-Castro, H., Chao, T., Vu, T., Garg S., Farid, M., Steinert R., Wade, M. Lens Meridian Position as a Predictor of Effective Lens Position. ARVO May 2018.

Posters

- Spanish interpreter for attending physicians at a rural medical clinic in Valle Redondo, Mexico

Medical Student Volunteer

Mama Zebra Foundation Talek, Kenya Dec 2016

- Collected history and performed physical exams for medical team in Kenya

English Second Language Teacher

Friends for Asia Chiang Dao, Thailand Dec 2015

- Taught English to middle and grade school students in Chiang Dao Boarding School in Thailand

Ultrasound Instructor

Floating Doctors Bocas Del Toro, Panama Jun 2014 - Jul 2014

- Led successful crowdfunding campaign to raise over \$10,000 to fund trip and donate to organization

TEACHING EXPERIENCE

Medical Student Tutor

UC Irvine School of Medicine Irvine, CA Sep 2014- Jun 2014

- Tutored individual and group sessions for various courses, including Anatomy and STEP 2 CS

GRANTS & AWARDS

- Ming Chen Foundation Scholarship May 2022
Awarded based on qualities of "integrity, compassion, and enthusiasm to learn"
- Manhattan Eye and Ear Foundation Research Grant Jun 2021- Jun 2022
Research funding for engineering and testing surgical device prototypes
- Program in Medical Education for the Latino Community (PRIME-LC) Aug 2016 - Jun 2018
Master's scholarship award for dedication to underserved communities
- UC Irvine Summer Travel Scholarship, UC Irvine School of Medicine Jun 2014 - Aug 2014
Summer stipend to travel to Panama to teach clinical ultrasound

LEADERSHIP & PROFESSIONAL SOCIETIES

- Chief Resident
Revamped surgical wet-lab for residents learning cataract surgery
- Refractive Surgery Alliance (RSA)
Leader for Resident Lecture Series
- Member: ASCRS, ARVO, AAO, RSA

LANGUAGES & INTERESTS

- Fluent Spanish speaker
- Music (singing, playing guitar), cooking, jogging, biking, weight-lifting, surfing