Matin Khoshnevis

EDUCATION

Temple University, Philadelphia
Ophthalmology Residency

University of California, Los Angeles
Preliminary Intern year

University of California, Irvine CA
Doctor of Medicine
B.S. in Biological Science
Selected Phi Beta Kappa Honor society

PATENTS

1. **Khoshnevis M**, Baron D, Ritchie C. "Digital Ocular Prosthesis with Authentic Eye Motility and Pupil Mimicry", USA Provisional Patent. (Patent #62/250,857)

BOOK CHAPTER

1. **Khoshnevis M,** Sebag J. Management of Macular Edema Due to Vitreo-Maculopathies: In: Cystoid Macular Edema -Medical and Surgical Management Textbook (Shlomit Schaal ed.) Springer, New York: 2017, Chapter 6.

PUBLICATIONS:

1. **Khoshnevis M**, Rosen S, Sebag J. Asteroid Hyalosis - A comprehensive review. Surv Ophthalmol. 2019 Jan 29. pii: S0039-6257(18)30205-4. doi: 10.1016/j.survophthal.2019.01.008. [Epub ahead of print]
2. Garcia G, **Khoshnevis M**, Nguyen-Cuu, et al. The effects of aging vitreous on contrast sensitivity function. Graefes Arch Clin Exp Ophthalmol. 2018;256:919e925.
3. Garcia G, **Khoshnevis M**, Yee KM, Nguyen-Cuu J, Nguyen JH, Sebag J. Degradation of contrast sensitivity following posterior vitreous detachment REPLY. Am J Ophthalmol. 2017; 117(1)225-226.
4. Gale J, **Khoshnevis M**, Frousiakis SE, et al. An international study of emotional response to bilateral vision loss using a novel graphical online assessment tool. Psychosomatics. 2017;58(1):38–45.
5. Garcia GA, **Khoshnevis M**, Gale J, et al. Profound vision loss impairs psychological well-being in young and middle-aged individuals. Clin Ophthalmol. 2017;11:417–427.
6. Garcia G, **Khoshnevis M,** Yee KM, Nguyen-Cuu J, Nguyen JH, Sebag J. Degradation of contrast sensitivity following posterior vitreous detachment. Am J Ophthalmol. 2016http://dx.doi.org/10.1016/j.ajo.2016.09.005.
7. **Khoshnevis M**, Nguyen-Cuu J, Sebag J. Floaters and reduced contrast sensitivity after successful pharmacologic vitreolysis with ocriplasmin, In American Journal of Ophthalmology Case Reports, Volume 4, 2016, Pages 54-56, ISSN 2451-9936, https://doi.org/10.1016/j.ajoc.2016.08.005.
8. **Khoshnevis M**, Sampathkumar A,Garcia GA, Sebag J. Optical Sensing of Molecular Structure in Vitreous of Patients with Decreased Contrast Sensitivity. Investigative Ophthalmology & Visual Science 2016; 57 (12), 3198-3198.
9. **Khoshnevis M**, Sebag J. Pharmacologic vitreolysis with ocriplasmin: rationale for use and therapeutic potential in vitreo-retinal disorders. *BioDrugs*. 2015; 27(3): 1-10. (doi:10.1007/s40259-015-0120-y).
10. Sampathkumar A, **Khoshnevis M**, Ketterling J, Sebag J. Optical characterization of vitreous structure in health and disease. *Proc. SPIE 9307 Ophthalmic Technologies.* 2015; XXV: 93-100 (doi:10.1117/12.2080543).
11. **Khoshnevis M**, Sebag J. " The Induction of Floaters and Reduction of Contrast Sensitivity Following Successful Pharmacologic Vitreolysis With Ocriplasmin". (In press: *American Journal of Ophthalmology Case Reports)*

12. Sally M, Malinoski D, Zaldivar F, Le, T., **Khoshnevis M**, Pinette W, et al. (2018). A porcine model to study the effect of brain death on kidney genomic responses. Journal of Clinical and Translational Science, 2(4), 208-216. Doi:10.1017/cts.2018.312

PUBLISHED ARTICLES: (not peer reviewed)

1. **Khoshnevis, Matin**, et al. "Managing Antithrombotic Agents in Patients Scheduled for Eyelid Surgery." Ophthalmology Times, 1 May 2017, ophthalmologytimes.modernmedicine.com/ophthalmologytimes/news/managing-antithrombotic-agents-patients-scheduled-eyelid-surgery.

LECTURE/TALKS

1. **Matin Khoshnevis**, Fred N Ross-Cisneros, Mario Schunimann, Alfredo A Sadun, J Sebag; Hyalocytes in Macular Hole and Macular Pucker. *Invest. Ophthalmol. Vis. Sci.* 2015;56(7):4326.
2. **Matin Khoshnevis**, Jeremiah Tao. Digital Ocular Prosthesis with Authentic Eye Motility and Pupil Mimicry. [Abstract]. In: American Society of Ophthalmic Plastic and Reconstructive Surgery; 2015, Nov 12-13 Nevada, Las Vegas. Presentation nr 0624-000098.
3. J Sebag, **Matin Khoshnevis,** Giancarlo A. Garcia, *et al.* Vitreous and Contrast Sensitivity. [Abstract]. In: 49th Annual Retina Society Scientific Meeting; 2016 September 14-17, California, San Diego. Presentation nr 30.

PEER-REVIWED ABSTRACTS & PRESENTATIONS

ASOPRS: American Society of Ophthalmic Plastic and Reconstructive Surgery

1. **Matin Khoshnevis,** Maxwell R. Harley MD, *et al.* B alanced Horizontal Eyelid Tightening (BHET): Treatment of irritated, tearing, and dry eyes [Abstract]. In: American Society of Ophthalmic Plastic and Reconstructive Surgery;2019, Oct 10-11, San Francisco, CA. Presentation nr 0730-9100.
2. **Matin Khoshnevis**, Sasha Rosen, John T. LiVecchi, Frank A Nesi. Management of Antithrombotics in Patients Scheduled for Eyelid Surgery: A Systemic Review. [Abstract]. In: American Society of Ophthalmic Plastic and Reconstructive Surgery;2016, Oct 13-14, Chicago, IL. Presentation nr 0623-00091.

ASCRS: American Society of Cataract and Refractive Surgery

1. **Matin Khoshnevis**, John T. LiVecchi. Alzheimer's Disease: Ophthalmic Manifestation in Glaucoma and Retinal Disorders.[Abstract]. In: American Society of Cataract and Refractive Surgery; 2019. May 5-9, San Diego, CA. Presentation nr 53363.
2. **Matin Khoshnevis**, John T. LiVecchi. Blepharoplasty for the Comprehensive Ophthalmologist. In: American Society of Cataract and Refractive Surgery; 2019. May 5-9, San Diego, CA. Presentation nr 54741.
3. **Matin Khoshnevis,** Sasha Rosen, John T. LiVecchi, Frank A Nesi. Alzheimer's Disease: Manifestations of AD and the Differential Diagnosis of Glaucoma and the Role of the Ophthalmologist. [Abstract]. In: American Society of Cataract and Refractive Surgery; 2016. May 5-9, Los Angeles, CA. Presentation nr 28389.

ARVO: Association for Research in Vision and Ophthalmology

1. **Khoshnevis, Matin**, Sampathkumar, Ashwin, Garcia, Giancarlo A., Ketterling, Jefferey A, Sadun, Alfredo A., Sebag J. Multi-Spectral Classifier for Optical Evaluation of Vitreous Disorders. [Abstract]. In: Association for Research in Vision and Ophthalmology; 2016 May 1-5; Washington, Seattle. Abstract nr 2445526.
2. Sampathkumar, Ashwin, **Khoshnevis**, **Matin,** Ketterling, Jeffery A, Sadun, Alfredo A, Sebag, J; Optical Characterization of Vitreous with Multi-Wavelength Photon Correlation Spectroscopy (MWPCS). *Invest. Ophthalmol. Vis. Sci.* 2015;56(7):384.

AAO: American Academy of Ophthalmology

1. Rohani, Omid, **Khoshnevis, Matin**, Tao, Jeremiah, Earthman, C James. An experimental study of the effects of cyclic loading on fascia lata and silicone slings in frontalis suspension. [Abstract]. In: American Academy of Ophthalmology; 2015 Nov 14-17 Nevada, Vegas. Abstract nr 454332.

NANOS: North American Neuro-Ophthalmology Society

1. Rustum Karanjia, **Matin Khoshnevis**, Tiffany Huang, Alex Chen, Alfredo A. Sadun. A Method for Quantifying Off Chart Visual Acuities. [Abstract]. In: North American Neuro-Ophthalmology Society; 2015 Feb 24. California, San Diego. Poster nr 153.

SPIE: The International Society for Optics and Photonics

1. Ashwin Sampathkumar, **Matin Khoshnevis**, Jerry Sebag, Jeffrey A. Ketterling. Optical Characterization of Vitreous Structure in Health and Disease. [Abstract]. In. The international society for optics and photonics; 2015 Feb 7-12; California, San Francisco. Abstract nr 9307-39.

ICTS: Institute for Clinical and Translation Science

1. Rohani, Omid, **Khoshnevis, Matin**, Earthman, James C, Tao, Jeremiah. A novel method to evaluate the effect of cyclic loading on fascia lata and silicone slings in frontalis suspension surgery. [Abstract]. In: Institute for Clinical and Translation Science; 2015 June 6-9. California, Irvine. Poster nr 543.

AWARDS AND HONORS

2016 **The Meyskens Clinical Research Award – Distinguished Medical School Diploma**
UC Irvine School of Medicine chooses one graduating senior who has exhibited the highest potential for a career in clinical research in any discipline based on publication, innovation, and academic standing.

2015 **Apple iOS Medical App Jam, 1st place winner**
Goal was to create an easy-to-use and innovate iPhone application to help physicians diagnose one of the earliest signs optic nerve damage (optic disc pallor). Won first place for the most innovate idea, most technically advanced App, as well as first place for overall winner.

2014 **United Mitochondrial Disease Foundation (UMDF) Student Fellowship Award ($25,000)**
I was able to win this fellowship in 2014 for my research project "Leber's Hereditary Optic Neuropathy Mood Study". The UMDF selects one medical student for this fellowship every year for a research project in mitochondrial diseases.

2010 **The Merage Institute Grant For Research ($20,000)**
The Merage Foundation is an organization dedicated to helping students achieve their goals. I was nominated by UC Irvine to be a candidate for this scholarship and was chosen as one of twelve winners in the United States. I was the first UC Irvine student to win this scholarship since 2002.

2010 **Top researcher of the month in UC Irvine**
I was chosen as the top researcher of the month (10/2010) at UC Irvine for my contributions to two research projects over a three year span. I was also awarded the "Excellence in Research" award six consecutive times (07/2008-07-2010).

2009-10 **Excellence in Research Award (Six consecutive quarters)**
This award is given to students by the Department of Biological Sciences at UC Irvine based on academic standing and submission of a scientific paper.

WORK EXPERIENCE

2014-2016 **Research Fellow of Dr. Sadun's M.D., /Ph.D.** | Doheny Eye Institute UCLA, Los Angeles, CA

2014-2016 **Research Fellow of Dr. Sebag MD, FACS, FRCOphth, FARVO** | VMR institute for Vitreous Macular Retina, Huntington Beach, CA