

Matthew A. Powers, M.D., M.B.A.

CURRENT PRACTICE	Matthew A. Powers, M.D., M.B.A. 3536 Mendocino Avenue, Suite 380 Santa Rosa, CA 95403 (707) 575-5353	July 1, 2020 - present
GRADUATE MEDICAL EDUCATION	University of Colorado School of Medicine - Faculty Fellow (PGY 5-6) Vitreoretinal Diseases and Surgery Department of Ophthalmology	Aurora, CO Jul 2018 - June 30, 2020
	Stanford University School of Medicine - Resident Physician (PGY 2-4) Department of Ophthalmology	Palo Alto, CA Jul 2015 - Jun 2018
	Kaiser Permanente San Francisco - Resident Physician (PGY 1) Department of Internal Medicine	San Francisco, CA Jul 2014 - Jul 2015
UNDERGRADUATE MEDICAL EDUCATION	University of Colorado School of Medicine Doctor of Medicine (M.D.) Graduated <i>Alpha Omega Alpha</i>	Aurora, CO 2009-2014
	University of Colorado Graduate School of Business Master of Business Administration (M.B.A.), Healthcare	Denver, CO 2012 - 2013
UNDERGRADUATE EDUCATION	Boston University College of Arts and Sciences Bachelor of Arts (B.A.), Biology Dean's List 2004 - 2007 Graduated <i>Cum Laude</i>	Boston, MA 2003 - 2007
EDUCATION (NON-DEGREE SEEKING)	Stanford University School of Medicine & School of Engineering Biodesign: Innovation - Medical device design and Commercialization	Stanford, CA 2017
	Harvard Extension School Regenerative medicine and stem cell biology	Cambridge, MA 2008
	The University of Auckland Biology and Maori studies	Auckland, NZ 2007
INTERNATIONAL ELECTIVES	Tilganga Eye Institute & Geta Eye Hospital International Ophthalmology - Small incision cataract surgery and vitreoretinal surgery	Kathmandu, Nepal Mar - Apr 2018
PROFESSIONAL EXPERIENCE	Dana-Farber Cancer Institute & Harvard Medical School - <i>Research Technician</i> Facilitated ongoing research by performing PCR, RT-PCR, Western blot, FACS, GFP assays, mouse colony maintenance, ALISA, histochemical tissue fixation and website maintenance	Boston, MA 2007 - 2009
	Pharmaco (NZ) - <i>Corporate Pharmaceutical Intern</i> Performed many tasks in several sections of the company, including assisting sales team, executing market research, designing website, and authoring a business plan for an upcoming product.	Auckland, NZ 2007
	Aristotle Institute & Faulkner Hospital - <i>Clinical Research Intern</i> Collaborated on clinical neurological research by contacting patients, and by collecting, cataloging and statistically analyzing relevant data.	Watertown, MA 2006
	Boston University Educational Resource Center - <i>Peer Tutor</i> Worked with students enrolled in general biology and organic chemistry to better	Boston, MA 2005 - 2007

understand in-course concepts and develop effective studying techniques

**CERTIFICATION &
LICENSURE**

Physician & Medical Doctor
Colorado Medical Board (active)
DR.0060710, Exp 4/30/2021

Jun 2018

Physician & Surgeon
Medical Board of California (inactive)
Certificate #A139106, Exp 2/26/2019

Feb 2017

HONORS & AWARDS

People's Choice Award For Best Concept, Health Technology Showcase
Stanford Byers Center for Biodesign

2017

Heed Ophthalmic Foundation Residents Retreat Invitee
Heed Ophthalmic Foundation

2017

Alpha Omega Alpha Honor Medical Society
Elected senior year, University of Colorado School of Medicine

2013

Medical School Admissions Committee Award
University of Colorado School of Medicine

2013

Award for Academic Excellence, Phase II
University of Colorado School of Medicine

2011

Award for Academic Excellence, Phase I
University of Colorado School of Medicine

2010

**RESEARCH &
ACADEMIC GRANTS**

Stanford Biodesign Innovation Grant (\$10,000)
Stanford Byers Center for Biodesign

2017

**PROFESSIONAL
MEMBERSHIPS**

American Academy of Ophthalmology (AA), member in training

2015 - present

American Society of Retinal Specialists (ASRS), member in training

2018 - present

LEADERSHIP

Student Advisor, Advisory College Program
University of Colorado School of Medicine

2013 - 2014

Class Treasurer
University of Colorado School of Medicine, Class of 2014

2013

Medical Student Council Class Representative
University of Colorado School of Medicine, Class of 2013

2011 - 2012

Class Historian and Photographer
University of Colorado School of Medicine, Class of 2013

2009 - 2012

Course Representative, Infectious Disease Block
University of Colorado School of Medicine, Class of 2013

2010

**COMMUNITY
SERVICE &
VOLUNTEER
ACTIVITIES**

Preceptor, Ophthalmology
Stanford Medicine Pacific Free Clinic

2017

Admissions Committee Member
University of Colorado School of Medicine

2010 - 2014

Fundraise & Rider

2013

Ella Jewell Foundation, Manhattan to Montauk Ride

Emergency Department Volunteer 2010
GF Jooste Hospital, Cape Town, South Africa

Organizer & Photographer 2010
Donor Memorial 5K Run, University of Colorado School of Medicine

Student Representative 2010
AMA Lobby Day, Washington DC

Fundraiser & Runner 2009
Dana-Farber Cancer Institute, Boston Marathon Challenge

Emergency Department Volunteer 2007 - 2009
Massachusetts General Hospital

**PEER-REVIEWED
PUBLICATIONS
(ACCEPTED &
SUBMITTED)**

Shields RA, Ludwig CA, **Powers MA**, Tijerina JD, Schachar IH, Moshfeghi DM. Surgical timing and presence of a vitreoretinal fellow on postoperative adverse events following pars plana vitrectomy. *Eur J Ophthalmol*. 2018 Nov 14. Epub ahead of print. 2018

Chandramohan A, Huang L, Lee M, Ludwig C, **Powers MA**, Shields RA, Fredrick D. Topical NSAIDs in low risk cataract surgery patients lack a clear benefit to warrant changes in current practice patterns. *EyeWorld*. 2018: Apr. <https://www.eyeworld.org/topical-NSAIDs-low-risk-cataract-surgery-patients-lack-clear-benefit-warrant-changes-current>. Accessed August 30, 2018. 2018

Powers MA, Wood EH, Sanislo SR, Nguyen QD, Hassan TS. Advanced Birdshot Choroidopathy Presenting as Chronic Cystoid Macular Edema and Vitritis Following Cataract Surgery. *Journal of VitreoRetinal Diseases*. In press. 2018

Ludwig CA, Shields RA, Chen TA, **Powers MA**, Wilkin Park D, Moshfeghi AA, Moshfeghi DM. A novel classification of high myopia into anterior and posterior pathologic subtypes. *Graefes Arch Clin Exp Ophthalmol*. 2018 Jul 20. Epub head of print. 2018

Powers MA, Wood EH, Erickson BP, Singh K, Sanislo SR, Kossler AR. Orbital, eyelid, and nasopharyngeal silicone oil granuloma presenting as ptosis & pseudo-xanthelasma. *American Journal of Ophthalmology Case Reports*. 2018;11:45-48 2018

Shields RA, **Powers MA**, Smith SJ, Moshfeghi DM. Changes in Postoperative Management Following Vitreoretinal Surgery. *Asian Pacific Journal of Ophthalmology*. In press. 2018

Shields RA, **Powers MA**, Schachar IH, Fredrick DR, Nguyen QD. Intravenous Immunoglobulin Induced Occlusive Retinal Vasculitis in a Child with Presumed Kawasaki Disease. In review at: *American Journal of Ophthalmology: Case Reports*. 2018

Powers M, Greven M, Kleinman R et al. Recent advances in the management and understanding of diabetic retinopathy. *F1000Res*. 2017 Nov 29;6:2063. 2017

Powers MA, Shields RA, Moshfeghi AA, Moshfeghi DM. Outer Retinal Defects Represent a Normal Healing Pathway Following Internal Limiting Membrane Peeling in Macular Hole Surgery. 2017. *Ophthalmic Surgery, Lasers and Imaging: Retina*. In Press. 2017

- Wood EH, **Powers MA**, Sanislo SR, Gaynon M. Correspondence: On the Etiology of Dome Shaped Macula. *Retina*. 2018 May;38(5):36-37. 2017
- Wood EH, **Powers MA**, Moshfeghi DM. Spontaneous glove rupture due to rapidly evolving endogenous hypermucoid klebsiella pneumoniae endophthalmitis. *Ophthalmic Surgery, Lasers & Imaging Retina*. 2017 Jul;48(7):600-601. PMID: 28728189 2017
- Wood EH, **Powers MA**, Sanislo SR, Gaynon MW. Dir, Regarding "Advances of optical coherence tomography in myopia and pathologic myopia." *Eye*. 2017 Jul;31(7):1114-1115. PMID: 28282059 2017
- Powers MA**, Kahook MY. New device for creating a continuous curvilinear capsulorhexis. *Journal of Cataract and Refractive Surgery*. 2014 May;40(5):822-30. PMID: 24767915 2014
- Deleyiannis FW, **Powers MA**. Lip replantation in an infant after prolonged ischemia; age as a factor affecting success. *Plastic and Reconstructive Surgery*. 2014 Feb;133(2):240e-1e. PMID: 24469214 2014
- Reddi A, **Powers MA**, Dellavalle RP. Therapeutic potential of the anti-diabetic agent metformin in targeting the skin cancer stem cell diaspora. *Experimental Dermatology*. 2014 May;23(5):345-6. PMID: 24521225 2014
- Powers MA**, Mudd P, Gralla J, McNair B, Kelley PE. Sedation-related outcomes in postoperative management of pediatric laryngotracheal reconstruction. *International Journal of Pediatric Otorhinolaryngology*. 2013 Sep;77(9):1567-74. PMID: 23932833 2013
- Reddi A, **Powers MA**, Thyssen A. HIV/AIDS and food insecurity: deadly syndemic or an opportunity for healthcare synergism in resource-limited settings of sub-Saharan Africa? *AIDS*. 2012 Jan 2;26(1):115-7. PMID: 2212681 2012
- PUBLICATIONS (NON-PEER REVIEWED)** **Powers MA**, Do DV. Uveitis Update: The Paradigm Shifts Again. *Retina Specialist*. 2018; Mar:25-30. 2018
- NATIONAL & REGIONAL PRESENTATIONS** **Powers MA**, Pecan PE, Palestine AG. When it Snows it Pours. Presented at: American Uveitis Society Winter Symposium. Jan 2019. Park City, UT. 2019
- Powers MA**. Pacific Retina Club Case Presentation (Vogt-Koyanagi-Harada Disease). Presented at: Pacific Retina Club Annual Meeting. Apr 2018. San Francisco, CA. 2018
- Powers MA**, Petz K, Kossler AL. Ophthalmic Air Regurgitation and Nasolacrimal Duct Surgery in Continuous Positive Airway Pressure Users. Podium presentation at The American Society of Ophthalmic Plastic and Reconstructive Surgery 46th Annual Fall Scientific Symposium. Las Vegas, NV. 2015
- Reddi A, White R, **Powers MA**, Neiman J, Han G, Roop D, and Wang XJ. MicroRNA-9 causes expansion of cancer stem cells in skin squamous cell carcinoma metastasis. Presented at: International Investigative Dermatology Meeting. Edinburgh, Scotland. 2013
- Mudd P, **Powers MA**, Gralla J, McNair B, Kelley PE. Postoperative Management in Laryngotracheal Reconstruction; Report of Sedation Related Outcomes. Presented at: The Society for Ear Nose and Throat Advances in Children 40th Annual Meeting. Charleston, SC. 2012
- ABSTRACTS & POSTERS** **Powers MA**, Slingsby TJ, Oliver SC. Effect of Subretinal Fluid Drainage Method on Surgical Success in Pars Plana Vitrectomy for Rhegmatogenous Retinal 2019

Detachment. Presented at: Association for Research in Vision and Ophthalmology (ARCO) Annual Meeting. May 2018. Vancouver, BC.

Powers MA, Shields RA, Ludwig CA, Moshfeghi DM. Postoperative Outcomes of Pars Plana Vitrectomy in Von Hippel-Lindau Disease. Presented at: MillennialEYE Annual Meeting. Sep 2018. Austin, TX. 2018

Powers MA, Shields RA, Ludwig CA, Moshfeghi DM. Postoperative Outcomes of Pars Plana Vitrectomy in Von Hippel-Lindau Disease. Presented at: Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting. Apr 2018. Honolulu, HI. 2018

Wood EH, **Powers MA**, Pershing S, Moshfeghi DM. Spontaneous Globe Rupture Due to Rapidly Evolving Endogenous Hypermuroid Klebsiella Pneumoniae Endophthalmitis. Poster presented at: Sonoma Eye Meeting, Sonoma, CA. 2017

Powers MA, Mercado CL, Wood EH, Tittler E, Singh K, Kossler AL. The Mysteries of Silicone Valley. Posterior presented at: The American Society of Ophthalmic Plastic and Reconstructive Surgery 47th Annual Fall Scientific Symposium. Chicago, IL. 2016

Powers MA, Mudd P, Gralla J, McNair B, Kelley PE. Sedation-Related Outcomes in Postoperative Management of Pediatric Laryngotracheal Reconstruction. Poster presented at: Children's Hospital Colorado Annual Winter Pediatric Research Poster Session. Aurora, CO. 2013

Powers MA (co-first author), Lamborn NR, Abbott KJ, Lieurance RS, Stokke M, Richards DB. Morbidity of Tube Thoracostomy for Trauma in a South African Emergency Setting, An Update. Posterior presented at: Annual Student Research Forum, University of Colorado School of Medicine. Aurora, CO. 2012

Powers MA, Mudd P, Gralla J, McNair B, Kelley PE. Sedation-Related Outcomes in Postoperative Management of Pediatric Laryngotracheal Reconstruction. Poster presented at: Annual Student Research Forum, University of Colorado School of Medicine. Aurora, CO. 2012

Powers MA (co-first author), Arnett DM, Johnson KA, Lamborn NR, Thyseen AP, Patterson SS, Abbott KJ, Lieurance RS, Stokke M, Richards DB. Morbidity of Tube Thoracostomy for Trauma in South African Tuberculosis and HIV Patients. Presented at 2010 Global Health Symposium, University of Colorado School of Medicine. Aurora, CO. 2010

Powers MA (co-first author), Arnett DM, Johnson KA, Lamborn NR, Thyssen AP, Patterson SS, Abbott KJ, Lieurance RS, Stokke M, Richards DB. Morbidity of Tube Thoracostomy for Trauma in South African Tuberculosis and HIV Patients. Presented at 2010 American Medical Association Medical Student Section Annual Meeting. Aurora, CO. 2010

**RESEARCH
CONFERENCES &
GRAND ROUNDS**

Powers MA, Slingsby TJ, Oliver SC. Effect of Subretinal Fluid Drainage Method on Surgical Success in Pars Plana Vitrectomy for Rhegmatogenous Retinal Detachment. University of Colorado Ophthalmology Research Day. Jun 2019. 2019

Powers MA. The Enemy of My Enemy. [Panuveitis Secondary to Tumor-Infiltrating Lymphocyte Therapy in Metastatic Melanoma] Grand Rounds, May 16, 2019. University of Colorado Department of Ophthalmology. 2019

Powers MA. Iridociliary Melanoma with Extrascleral Extension. Grand Rounds - Tumor Board, Nov 2, 2018. 2018

- Powers MA**, Shariati A, Oh A, Shen Y, Chu Z, Wang R, Sun MH, Liao YJ. Structure-Function Correlations of OCT and OCTA in Optic Atrophy. Presented at: Stanford University of Ophthalmology Research Day. Jun 2018 2018
- Powers MA**. Photodynamic Therapy for Intraocular Metastases. Grand Rounds, Mar 1, 2016. Stanford University Department of Ophthalmology. 2018
- Powers MA**, Shields RA, Moshfeghi A, Moshfeghi DM. Surgical Factors Associated with Postoperative Outer Retinal Defects Following Macular Hole Repair. Research Day 2017, Stanford University Department of Ophthalmology. 2017
- Shields R, **Powers MA**, Smith SJ, Moshfeghi DM. To See or Not to See: Post-Operative Visits Following Vitreoretinal Surgery. Research Day 2017, Stanford University Department of Ophthalmology. 2017
- Powers MA**. Saving Face. [Craniofacial Fibrous Dysplasia] Grand Rounds, Mar 23, 2017. Stanford University Department of Ophthalmology. 2017
- Powers MA**. Two Hundred Days Later. [Acute Retinal Necrosis] Grand Rounds, Sep 27, 2016. Stanford University Department of Ophthalmology. 2016
- Powers MA**. Insult to Injury. [Radiation-Induced Optic Neuropathy] Grand Rounds, Sep 1 2016. Stanford University Department of Ophthalmology. 2016
- Powers MA**. A Disease of Theories. [Retinal Manifestation of Preeclampsia] Grand Rounds, Jun 16 2016. Stanford University Department of Ophthalmology. 2016
- Powers MA**, Abbasakoor N, Tran EM, Dosiou C, Kossler AL. Risk Factors for Dysthyroid Optic Neuropathy in Thyroid Eye Disease. Research Day 2016, Stanford University Department of Ophthalmology. 2016
- Powers, MA**. It's Not A Tumor! [Pseudo-Foster Kennedy Syndrome] Grand Rounds, Mar 1 2016. Stanford University Department of Ophthalmology. 2016
- Powers MA**. Differential diagnosis and Clinical Workup of Acute Vision Loss. Department of Internal Medicine Morning Report, Kaiser Permanente San Francisco. 2015
- Powers MA**, Kahook MY. Cost-Effective Alternatives to Femtosecond Laser Assisted Cataract Surgery. Weill Cornell Medical College Department of Ophthalmology Morning Conference. 2013
- Powers MA**, Kahook MY. The Perfect Capsulorrhexis - A Novel & Cost-Effective Device. 17th Annual Ophthalmology Resident, Faculty and Alumni Research Day, University of Colorado School of Medicine. 2013
- Powers MA**, Kahook, MY. The Perfect Rhexis - Are We There Yet? Presented at Department of Ophthalmology Annual Collaborative Research Forum, University of Colorado School of Medicine. 2013
- Mudd P, **Powers MA**, Gralla J, McNair B, Kelly P. Postoperative Management in Laryngotracheal Reconstruction; Report of Sedation Related Outcomes. Presented at 2012 University of Colorado Annual Otolaryngology Resident Research Day. Aurora, CO. 2012
- BOOK CHAPTERS** **Powers MA**, Tang PH, Mruthyunjaya P. Biopsy of Intraocular Tumors. In: Moshfeghi D, et al., ed. Vitreoretinal Surgical Techniques. In press 2018

Powers MA, Mruthyunjaya P. How Do I Follow A Presumed Choroidal Nevus? *2017*
In: Curbside Consultation in Retina, 2nd Ed. 2017. In Press

U.S. PATENTS

Kahook, Malik, and **Powers, Matthew.** Devices and Methods for Creating a Predictable Capsulorrhexis of Specific Diameter. U.S. Patent Application US 14894299, filed May 31, 2013. *2013*

**U.S. PROVISIONAL
PATENT
APPLICATIONS**

Alyono, Jennifer; Hunt, Robert; De Moraes Neto, Antonio Ermirio; Murphy, Edward; **Powers, Matthew Armstrong;** Wang, Xinzi. Systems and Methods for Mobile Detection and Quantification of Intraocular Media Opacity. U.S. Provisional Patent Application 62519976, filed June 15, 2017. *2019*