

CURRICULUM VITAE
John A. Hovanesian, M.D.

Personal

Address/phone: Harvard Eye Associates
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Laguna Hills, California USA
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Medical Licenses: California and Michigan

Board Certification: American Board of Ophthalmology, 1997
Recertified in 2007 and 2016

Education/Employment

Undergraduate: Bachelor of Science in Honors Chemistry
Summa Cum Laude, graduated in three years
University of Michigan, Ann Arbor, Michigan
1985-1988

Medical School: Doctor of Medicine
University of Michigan, Ann Arbor, Michigan
1988-1992

Internship: Department of Medicine, Transitional Internship
William Beaumont Hospital, Royal Oak, Michigan
1992-1993

Residency: Department of Ophthalmology
Henry Ford Hospital, Detroit, Michigan
1993-1996

Chief Resident: Department of Ophthalmology
Henry Ford Hospital, Detroit, Michigan
1996-1997

Fellowship: Refractive Surgery, Cornea, and External Disease
Jules Stein Eye Institute, University of California Los Angeles
1997-1999

Practice/Teaching	<u>Private Practice</u>	<u>Academic Affiliation</u>
	Harvard Eye Associates Laguna Hills, California 1999-present	Clinical Faculty UCLA Jules Stein Eye Institute 1999-present

Consulting & Scientific/Medical Advisory Boards (SAB denoted by *)

1-800-DOCTORS, 2012-present*
Alcon, 2014-present
Allergan, Inc., 2007-2014
Bausch & Lomb, 2006-present*
Baxter Bioscience, 2004-2006
BlephEx, 2014-present*
Diopter, 2008-present*
Dupont, Inc., 2006
EssexBio, 2013-2014
Eye Point, 2017-present
Glaukos, 2012-present
Guardion Health Sciences, 2013-present*
Halozyme, 2013-2014
Innovative Ophthalmic Products, Inc., 2005-2014*
Inspire Pharmaceuticals, 2007-2013
Ista Pharmaceuticals, 2005-2012*
Ivantis, Inc. 2008-present*
Katena, 2014-present*
Kurtis Eyewear, 2006-2010
Mylan Pharmaceuticals, 2012*
Ocular Therapeutix, 2008-present*
Omeros, 2012-present*
Optos, 2014
Revision Optics, 2008-present
SARcode, Inc., 2012
Sarentis Therapeutics, 2012-present*
Shire, 2014-present*
Sight Sciences, 2012-present*
Sirion Therapeutics, 2007-2010*
Tear Science, 2011-2014*
Visiogen, Inc., 2007-2010
Vistakon, Inc., 2007-2009

Honors and Awards

James B. Angell Scholar, University of Michigan, 1985-1988
Phi Beta Kappa as college junior, University of Michigan, 1987
CIBA/Geigy Award for Outstanding Community Service, University of Michigan
Medical School, 1990
Silver Beaver Award, highest volunteer honor given by the National Court of Honor, Boy
Scouts of America, 1994
Resident of the Year, Henry Ford Hospital, 1996
David May II Fellowship, Jules Stein Eye Institute, Los Angeles, California, 1997
David May II Fellowship, Jules Stein Eye Institute, Los Angeles, California, 1998

Best Paper of Session, International Society of Refractive Surgery Symposium, New Orleans, Louisiana, 1998
National Telly Award for PBS Television “American Health Journal” program on new technology intraocular implants, 2004
Best Paper of Session, American Society of Cataract and Refractive Surgery Symposium, San Francisco, 2009
Achievement Award, American Academy of Ophthalmology, 2009
Speaker of the Day, Royal Hawaiian Eye Meeting, 2011
Film Festival Runner-up, “Best Teaching” for “Four Steps to Astigmatism Correction During Cataract Surgery, American Society of Cataract and Refractive Surgery Symposium. San Diego, California, 2011.
Speaker of the Day, Royal Hawaiian Eye Meeting, 2012
Gold Medal, Intraocular Implant and Refractive Society, India, 2012
Man of Character, Boy Scouts of America Orange County Council, 2013
Senior Achievement Award, American Academy of Ophthalmology, 2016
Inducted to prestigious International Intraocular Implant Club, 2018
Distinguished Alumni Award, Henry Ford Health Systems Dept of Ophthalmology, 2018
Distinguished Eagle Scout, Boy Scouts of America National Council, 2018
Best Poster, Cataract Surgery Section, American Society of Cataract and Refractive Surgery Annual Meeting, 2020.
Best Poster, Glaucoma Section, American Society of Cataract and Refractive Surgery Annual Meeting, 2020
Member, The Most Venerable Order of St. John, 2020

Patents

US Patent 7780653 “Method for Astigmatism Correction” issued August, 2010
US Patent 14/278,389 Pending “Systems and Methods for Automated Patient Interactions” filed April, 2014

Professional Societies

American Academy of Ophthalmology
American Society of Cataract and Refractive Surgery
International Society of Refractive Surgery
Orange County Ophthalmology Society

Textbooks

Hovanesian, JA (editor), *Pterygium, Techniques and Technologies for Surgical Success*, Slack, Inc., 2012
Hovanesian, JA (editor), *Refractive Cataract Surgery, an Introduction and Step-by-Step Guide*, Slack, Inc., 2016 (2nd edition)

Editorial & Other Professional Activities

House Staff Council, Henry Ford Hospital, Detroit, Michigan, 1995-1996
Reviewer, *Ophthalmology* journal, 1997-present
Column Editor, "Ophthalmic Outreach", *Ocular Surgery News* recurring column sharing information and inspiring volunteerism among ophthalmologists, 2006-present
Column Editor, "State of the Art", *Ocular Surgery News* recurring column evaluating new ophthalmic technologies, 2007-2011
Continuing Medical Education Reviewer, Vindico Medical Education, 2007-present
Editorial Board, *Ocular Surgery News*, 2007-present
Executive Editorial Board, *Cataract & Refractive Surgery Today*, 2009-present
Editorial Board, *Eye World*, 2011-present
Section Editor, Cataract, *Ocular Surgery News*, 2011-present
Chairman, American Academy of Ophthalmology Cataract/Anterior Segment Committee, Ophthalmic News & Education Network, 2010-present
Committee Member, American Society of Cataract and Refractive Surgery, Cornea Clinical Committee, 2011-present

Charitable Activities

Vice President-Program, Armenian Eye Care Project, international organization raising \$11 million for eye care in developing Republic of Armenia, 1997-2009.

Medical Missions to Armenia, providing training programs for Armenian surgeons, 1998-present.

Volunteer, St. Mary Armenian Church Sunday School and Social Clubs, 2000 to present

Boy Scouts of America volunteer at regional and national levels, 1985-present.
District Commissioner, Scouting for the Handicapped, 1993-1996
Author of two nationally distributed publications, 1988-1989
National Scout Jamboree Health and Safety Committee, 1989, 1993
Den Leader, Cub Scout Pack 35, Laguna Beach, California, 2009-present
Cubmaster, Cub Scout Pack 35, Laguna Beach, California, 2012-2014
Council Commissioner, Orange County Council, 2013-2015
Executive Vice Chair of the Board, Orange County Council, 2015-2016
Chairman of the Board, Orange County Council, 2016

FDA Studies

Principal Investigator, Phase III Study of an Eye Drop to Treat Meibomian Gland Disease, 2005

Subinvestigator, A Study of a Trabecular Bypass Micro Stent in Combination with

Cataract Surgery in Subjects with Open-Angle Glaucoma, 2005-2008
Subinvestigator, Phase III Study of the Visiogen Synchrony Accommodating Intraocular Lens, 2007-2008
Principal Investigator, Phase III Study of the Crystalens HD-100 Accommodating Intraocular Lens, 2007-2008
Principal Investigator, Phase III Study of the I-Zip Ocular Bandage, 2008-2009.
Principal Investigator, Phase III Study of the Toric Crystalens, 2010.
Principal Investigator, Phase IIIb Study of the LipiFlow Thermal Pulsation System, 2012
Principal Investigator, Phase III Study of the Resure Ocular Sealant, 2011-2012
Principal Investigator, Phase III Study of the Light Adjustable Lens, 2012
Principal Investigator, Collagen Crosslinking (CXLUSA) Study, 2012
Principal Investigator, Phase III Study of a New Topical Drug for Dry Eye, 2012
Principal Investigator, Phase IIIa Study of the Revision Optics Corneal Inlay, 2012
Principal Investigator, Phase IIIb Study of the Revision Optics Corneal Inlay, 2015
Principal Investigator, Phase III Study of a New Topical Glaucoma Therapy, 2015
Principal Investigator, Phase IIa Study of a New Topical Pterygium Therapy, 2017
Principal Investigator, Phase III Study of a New Lens Implant Therapy, 2017
Principal Investigator, Phase III Study of a New Dry Eye Device, 2017
Principal Investigator, Phase II, Study of a New Topical Prevention of Endothelial Cell Loss in Patients Undergoing Cataract Surgery, 2014-2015
Subinvestigator, A prospective, double-masked, randomized, multi-center, active-controlled, parallel-group 12-month study assessing the safety and ocular hypotensive efficacy of PG324 Ophthalmic Solution compared to AR-13324 Ophthalmic Solution, 0.02% and Latanaprost Ophthalmic Solution, 0.005% in subjects with elevated intraocular pressure, 2015-2017
Principal Investigator, Phase III Study of New Topical Drug for Treatment of Inflammation Associated with Cataract Surgery, 2016
Principal Investigator, Phase III, Multi-Center, Double-Masked, Vehicle Controlled, Randomized, Parallel-Group Study to Assess Loteprenol Etabonate Ophthalmic Gel 0.385 (BID and TID) versus Vehicle Gel for the Treatment of Ocular Inflammation and Pain Following Cataract Surgery, 2016-2017
Principal Investigator, Phase IIa, Study of a New Topical Drug for Treatment of Primary or Recurrent Pterygium, 2017-2018
Principal Investigator, Phase 3 Study of New Topical Treatment of Inflammation and Pain Associated with Cataract Surgery, 2018
Principal Investigator, Phase III Study of a New Topical Treatment for Blepharitis, 2018
Principal Investigator, Phase III Study of a New Lens Implant Therapy, 2017-2020
Principal Investigator, Phase III Study of a New Lens Implant Therapy, 2018-2020

Ongoing Instruction Courses at American Academy of Ophthalmology and American Society of Cataract and Refractive Surgery Symposia

Hovanesian JA, Agarwal A, Hardten DA, Kaufman SC. Use of Fibrin Tissue Adhesive in Conjunctival, Corneal, and Refractive Surgery. 2005-present.

Hovanesian JA, Hardten DH, Corcoran KJ. Secrets to Growing the Use of Multifocal/Accommodative Lens Implants in Your Cataract Practice. American Society of Cataract and Refractive Surgery Annual Meeting, 2007-present.

Named Lectures

11th Annual David S. Hull Lecture. “The Transition of Ophthalmology Residents to Permanent Practice—Predictions, Pearls, and Pitfalls.” Georgia Health Sciences University. Augusta, Georgia, June 23, 2012.

Peer-reviewed Publications

Hovanesian JA, Higginbotham EJ, Lichter PR. Long Term Visual Outcome of Ocular Hypotension after Thermosclerostomy. *Am J Ophthalm*, 115: 603-7, May, 1993.

Witte MM, Hovanesian JD, **Hovanesian JA**. A Tomographic Technique for Determining Contact Stress. *Exp Technique*, July/August, 1995.

Hovanesian JA, Faktorovich EG, Hoffbauer JD, Shah SS, Maloney RK. Bilateral Bacterial Keratitis After Laser In Situ Keratomileusis in a Patient With Human Immunodeficiency Virus Infection. *Arch Ophthalm* 1999; 117: 968-70.

Mondino BJ, **Hovanesian JA**, Pleyer U. Bullous Diseases of the Skin and Mucous Membranes. *Duane's Clinical Ophthalmology*, External Disease Section, 1999.

Hovanesian JA, Shah SS, Onclinx T, Maloney RK. Quantitative Topographic Irregularity as a Predictor of Spectacle Corrected Visual Acuity after Refractive Surgery. *Am J Ophthalmol* 2000; 129(6): 752-8.

Hovanesian JA, Shah SS, Maloney RK. Symptoms of Dry Eye and Recurrent Erosion Syndrome After Refractive Surgery. *J Cataract Refract Surg* 2001; 27: 577-84.

Van Horn SD, **Hovanesian JA**, Maloney RK. Effect of volatile compounds on excimer laser power delivery. *J Refract Surg (United States)* Sep-Oct 2002, 18(5) p524-8.

Hovanesian JA. New Technology: The Next Wave in Vision Correction. *Ophthalm Mgmt Suppl*. 2001.

Hovanesian JA. Wavefront Technology for Lasik: A Good Thing is Getting Better. *Ophthalm Mgmt Suppl*. 2002.

Hovanesian, JA. Maloney RK. Treating Astigmatism after a Free Lasik Cap by Rotating the Cap. *J Cataract Refract Surg* 2005; 31:1870-6.

Hovanesian, JA. Karageozian VH. Watertight Cataract Incision Closure Using Fibrin

Tissue Adhesive. *J Cataract Refract Surg* 2007; 33:1461-3.

Hovanesian, JA. Cataract Wound Closure with a Polymerizing Liquid Hydrogel Ocular Bandage. *J Cataract Refract Surg* 2009; 35:912-6.

Masket S, **Hovanesian JA**, Raizman MB, Wee D, Fram N. Use of a calibrated force gauge in clear corneal cataract surgery to quantify point-pressure manipulation. *J Cataract Refract Surg*; 2013 39:511-8.

Dell S, **Hovanesian JA**, Raizman, MB, *et al.* Randomized comparison of postoperative use of hydrogel ocular bandage and collagen corneal shield for wound protection and patient tolerability after cataract surgery. *J Cataract Refract Surg*; 2011 37:113-21.

Mah, FS, Davidson R, Holland EJ, **Hovanesian JA**, *et al.* Current knowledge about and recommendations for ocular methicillin-resistant *Staphylococcus aureus*. *J Cataract Refract Surg*; 2014; 40:1894-908.

Sheppard JD, Mansur A, Comstock TL, **Hovanesian JA**. An update on the surgical management of pterygium and the role of loteprednol etabonate ointment. *Clin Ophthalmol*; 2014; 8:1105-18

Masket S, **Hovanesian JA**, *et al.* Hydrogel sealant versus sutures to prevent fluid egress after cataract surgery. *J Cataract Refract Surg*; 2014; 40:2057-66.

Pepose JS, Hayashida J, **Hovanesian JA**, *et al.* Safety and effectiveness of a new toric presbyopia-correcting posterior chamber silicone intraocular lens. *J Cataract Refract Surg*; 2015; 41:295-305.

Hovanesian JA, *et al.* Intracameral phenylephrine and ketorolac during cataract surgery to maintain intraoperative mydriasis and reduce postoperative ocular pain: Integrated results from 2 pivotal phase 3 studies. *J Cataract Refract Surg*; 2015; 41:2060-8.

Whitman J, Dougherty PJ, Parkhurst GD, Olkowski J, Slade SG, **Hovanesian JA**, *et al.* *Treatment of Presbyopia in Emmetropes Using a Shape-Changing Corneal Inlay: One-Year Clinical Outcomes.* *Ophthalmology.* 2016;123(3):466-75.

Whitman J, **Hovanesian JA**, Steinert RF, Koch D, Potvin R. Through-focus performance with a corneal shape-changing inlay: One-year results. *J Cataract Refract Surg.* 2016;42(7):965-71.

Lindstrom R, Lewis R, Hornbeak DM, Voskanyan L, Giamporcaro JE, **Hovanesian JA**, *et al.* Outcomes Following Implantation of Two Second-Generation Trabecular Micro-Bypass Stents in Patients with Open-Angle Glaucoma on One Medication: 18-Month Follow-Up. *Adv Ther.* 2016;33(11):2082-2090.

Shusko A, **Hovanesian JA**. Pterygium excision with conjunctival autograft and subconjunctival amniotic membrane as antirecurrence agents. *Canadian Journal of Ophthalmology*. 2016;51(6):412-16.

Hovanesian JA, et al. Surgical techniques and adjuvants for management of primary and recurrent pterygia. *J Cataract & Refractive Surgery*. 2017;43(3):405-19.

Hovanesian JA. Patient-reported outcomes of multifocal and accommodating intraocular lenses: analysis of 117 patients 2-10 years after surgery. *Clinical Ophthalmol*. 2018;12:2297-2304.

Nichols KK, Donnenfeld ED, Karpecki PM, **Hovanesian JA**, et al. Safety and tolerability of lifitegrast ophthalmic solution 0.5%: Pooled analysis of five randomized controlled trials in dry eye disease. *European Journal of Ophthalmology*. 2019;29(4):394-401.

Hovanesian JA, Holland E. Tolerability and toxicity of topically applied nepafenac 0.3% compared with generic ketorolac 0.5%. *J Cataract & Refractive Surgery*. 2019;45(2):174-180.

Tauber J, Owen J, Bloomenstein M, **Hovanesian JA**, et al. Comparison of the iLUX and the LipiFlow for the Treatment of Meibomian Gland Dysfunction and Symptoms: A Randomized Clinical Trial. *Clinical Ophthalmol*. 2020;14:405-418.

Lindstrom R, Sarkisian S, Lewis R, **Hovanesian JA**, et al. Four-Year Outcomes of Two Second-Generation Trabecular Micro-Bypass Stents in Patients with Open-Angle Glaucoma on One Medication. *Clinical Ophthalmol*. 2020;14:71-80.

Personal

Eagle Scout

Can speak and read Armenian

Hobbies include food, swimming, magic, computers, piano