

PROMOTION RECOMMENDATION
THE UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF OPHTHALMOLOGY AND VISUAL SCIENCES

Shahzad I. Mian, M.D., associate professor of ophthalmology and visual sciences, with tenure, Department of Ophthalmology and Visual Sciences, Medical School, is recommended for promotion to professor of ophthalmology and visual sciences, with tenure, Department of Ophthalmology and Visual Sciences, Medical School.

Academic Degrees:

M.D.	1996	Emory University
B.S.	1991	Emory University

Professional Record

2010-present	Associate Professor of Ophthalmology and Visual Sciences, University of Michigan
2004-2010	Assistant Professor of Ophthalmology and Visual Sciences, University of Michigan
2002-2004	Clinical Lecturer, Department of Ophthalmology and Visual Sciences, University of Michigan
2000-2002	Assistant, Ophthalmology, Massachusetts Eye and Ear Infirmary, Boston, MA

Summary of Evaluation:

Teaching: Dr. Mian is an excellent teacher and has been involved in teaching medical students, residents, fellows, allied health staff and community physicians. Dr. Mian is the department's residency program director where he organizes and participates in numerous educational activities for residents, including cataract and refractive surgery courses, microsurgery wet lab and research project mentoring, lectures, ethics seminars, and journal clubs. In recognition of his excellent teaching abilities he won the prestigious Bergstrom teaching award (2003 and 2012), the AAO Senior Achievement Award, and the Best Doctors in America Award. In addition, Dr. Mian spends time training the cornea and refractive surgery fellows; he is currently mentoring his 28th and 29th fellows. Dr. Mian actively participates in community outreach programs, where he lectures on refractive surgery education, presents lectures to community ophthalmic technicians, nurses and ophthalmologists. He has given numerous institutional, regional, national and international lectures including four named visiting professorships. Dr. Mian has published extensively in the field of ophthalmic education and specifically ophthalmic surgical resident education.

Research: Dr. Mian's major research focus is on corneal transplantation and the use of lasers for ocular surgery. One important area explores the utilization of the (UM developed) femtosecond

laser for corneal transplantation, a new application for this device. Working with the College of Engineering, his team was able to develop a technique for creating a safer and technically more precise approach to improve the outcomes of cornea transplant surgery. Dr. Mian also works closely with Eversight Michigan to develop techniques for partial thickness corneal transplants (endothelial keratoplasty), which now accounts for over 50% of corneal transplants performed in the U.S. (nearly 25,000 surgeries) performed in 2014. Dr. Mian is also focused on alternative techniques for cornea transplants for patients who are not good candidates for routine surgery, such as those with dry eyes. Dr. Mian's strong educational energy has resulted in his developing, in conjunction with these surgical advances, new approaches to training protocols and courses for practicing physicians to learn these and other new techniques. Dr. Mian has also established a joint approach with the Bone Marrow Transplant team at the University of Michigan to establish a protocol to screen all patients undergoing allogeneic hematopoietic stem cell transplantation (HSCT) for ocular disease and to maintain appropriate follow-up. This will allow for the assessment of various treatment options for ocular disease and for prevention of ocular disease efforts to improve patient outcomes.

Dr. Mian is a role model for using team science to make important contributions as a researcher. He routinely collaborates with other members of the department and participates in national studies, such as the Cornea Donor Study, the Fuchs' Dystrophy genetic study and the Cornea Preservation Time Study; all three are National Eye Institute multicenter clinical trials. Dr. Mian has 63 publications, almost all in high impact peer-reviewed journals in ophthalmology and visual sciences, 20 book chapters, 12 visiting professorships and significant national and international presentations.

Recent and Significant Publications:

Kamyar R, Weizer JS, Stein JD, Moroi SE, John D, Musch DC, Mian SI: Glaucoma associated with Boston Type 1 keratoprosthesis. *Cornea* 31:134-139, 2012.

Heitor de Paula F, Kamyar R, Shtein RM, Sugar A, Mian SI: Endothelial keratoplasty without Descemet's stripping after failed penetrating keratoplasty. *Cornea* 31:645-648, 2012.

Tausif H, Johnson L, Mavin K, Woodward M, Shtein R, Mian SI: Corneal donor tissue preparation for descemet membrane endothelial keratoplasty. *J Vis Exp* 17:51919, 2014.

Hussain M, Shtein RM, Sugar A, Soong HK, Woodward MA, DeLoss K, Mian SI: Long-term use of autologous serum 50% eye drops for the treatment of dry eye disease. *Cornea* 33:1245-1262, 2014.

Boynton GE, Raouf D, Niziol LM, Hussain M, Mian SI: Prospective randomized trial comparing efficacy of topical loteprednol etabonate 0.5% versus cyclosporine-A 0.05% for treatment of dry eye syndrome following hematopoietic stem cell transplantation. *Cornea* 34 (7), 2015.

Service: Clinically, Dr. Mian maintains an active cornea practice at the Kellogg Eye Center. He has a strong clinical program in corneal transplantation, cataract surgery, corneal dystrophies,

dry eye disease, and refractive surgery. Dr. Mian performs more than 100 corneal transplants each year and has been at the forefront for lamellar corneal surgery performing Descemet's stripping endothelial keratoplasty, Descemet's membrane endothelial keratoplasty and deep anterior lamellar keratoplasty. Dr. Mian is a leader in the university cataract surgery program performing 300 procedures annually with use of newer surgical techniques and new generation intraocular lenses (ReStor, Staar toric). He has further enhanced the refractive surgery practice by offering PRK, LASEK, LASIK with IntraLase, custom LASIK, and conductive keratoplasty. Dr. Mian was the fifth person in Michigan to offer phakic intraocular lenses as a surgical option for patients. He has established an eye screening and treatment protocol for patients with graft versus host disease with the goal of decreasing long-term ocular complications in patients after stem cell transplantation.

Dr. Mian has a national and international presence as a member of several societies – among them Association of University Professors of Ophthalmology, vice chair of the Accreditation Council for Graduate Medical Education Residency Review Committee for Ophthalmology, Cornea Society and the Eye Bank Association of America. He has served in numerous roles for the American Academy of Ophthalmology including the self-assessment panel for cornea and external disease, annual program committee, as editor of cornea for the Ophthalmic News and Education Network, and the Leadership Development Program. He is also the senior medical director of Eversight Michigan Eye Bank since 2013. Within in the department, he serves in numerous roles such as the associate chair for education, resident selection committee, education committee and Clinical Competency Committee.

External Reviewers:

Reviewer A: “Dr. Mian is the quintessential academic cornea specialist: he is accomplished and internationally acclaimed as an outstanding clinician and surgeon, educator, researcher, and administrator. Though he is a recognized authority on corneal surgery, he is also an expert medical cornea specialist. As such, he has incredible bandwidth, and he is a sought after speaker at national and international conferences....he is also the long-standing ophthalmology residency program director at the University of Michigan, which is one of the most highly sought-after residency training programs...”

Reviewer B: “...he has presented both nationally and internationally and is highly respected as an outstanding speaker and teacher....He also serves as a residency director at the Kellogg Eye Center and has done this since July 2004. The University of Michigan has enjoyed the reputation of an outstanding residency program due in great part to his efforts and his reputation.”

Reviewer C: “...he has become a well-respected referral destination from many physicians across the country....In terms of his honors and awards, he has been asked to serve on the American Academy of Ophthalmology Leadership Development Program. He also serves on the Editorial Boards of several ophthalmology journals.”

Reviewer D: “His early publications took advantage of Michigan's leadership in the development of what has now become a fundamental tool in ophthalmic surgery, the

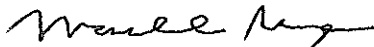
femtosecond laser. Many of these publications set the stage for the widespread application of the laser in lamellar corneal surgery. Moreover, his work further helped to inform our understanding of the role of cornea flap anatomy in dry eye and corneal dysesthesia following LASIK.”

Reviewer E: “Dr. Mian exerts national influence through a number of important organizations. He is on the Board of Directors of the Cornea Society, the Program Directors Council of the Association of University Professors of Ophthalmology, and the Board of Directors of the Eyebank Association of America.”

Reviewer F: “His opinion is widely sought after and he is the type of consultant that academic institutions are fortunate to have for managing our most difficult patients.”

Summary of Recommendation:

Dr. Mian has shown excellence in leadership and productivity in all areas--clinical work, research, service and teaching, and there is no doubt that his career will continue to thrive. I am pleased to recommend Shahzad I. Mian, M.D. for promotion to professor of ophthalmology and visual sciences, with tenure, Department of Ophthalmology and Visual Sciences, Medical School.



Marschall S. Runge, M.D., Ph.D.
Executive Vice President for Medical Affairs
Dean, Medical School

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