

PROMOTION RECOMMENDATION  
 UNIVERSITY OF MICHIGAN MEDICAL SCHOOL  
 DEPARTMENT OF OTORHINOLARYNGOLOGY  
 UNIVERSITY OF MICHIGAN SCHOOL OF MUSIC, THEATRE & DANCE

Norman D. Hogikyan, M.D., Associate Professor of Otorhinolaryngology, with tenure, Department of Otorhinolaryngology, Medical School, and Associate Professor of Music, without tenure, School of Music, Theatre & Dance, is recommended for promotion to Professor of Otorhinolaryngology, with tenure, Department of Otorhinolaryngology, Medical School, and Professor of Music, without tenure, School of Music, Theatre & Dance.

Academic Degrees:

M.D.	1988	University of Michigan
B.S.	1982	University of Michigan

Professional Record:

2002-Present	Associate Professor of Music (Voice Arts), University of Michigan
2002-Present	Associate Professor of Otorhinolaryngology, University of Michigan
1999-2002	Assistant Professor of Music (Voice Arts), University of Michigan
1999-2002	Assistant Professor of Otorhinolaryngology, University of Michigan

Summary of Evaluation:

Teaching: Dr. Hogikyan has distinguished himself in teaching in the Department of Otolaryngology by participating in all of the resident teaching activities including weekly Team Teaching Conferences. He has mentored senior faculty and fellows during their research rotations. He has led the Laryngeal Surgical Dissection Course and has been a key lecturer in the Interdisciplinary Airway Management Course which is offered through the Medical School. Of particular distinction has been his collaboration and teaching in the School of Music, Theatre & Dance where he has given a graduate course in Vocal Pedagogy and also a two-hour Vocal Arts Laboratory on Voice and Vocal Health as part of the undergraduate program in Musical Theatre. During two terms, he was co-instructor for Movement Science as part of a Life Science Course and he has participated in numerous other national and international teaching activities. The quality of his teaching has been outstanding as evidenced by the number of invitations to lecture and the number of residents and fellows that seek him out for personal mentorship in teaching activities. He has developed an innovative collaborative program with the School of Music, Theatre & Dance which is the envy of most clinical voice programs. The quality of his leadership has been recognized at the national level by his appointment as a member of the Speech, Voice and Swallowing Disorders Committee of the American Academy of Otolaryngology-Head and Neck Surgery. He has served as national Co-Chair of the World Voice Day activities for the Academy and was recently appointed advisor to the Speech, Voice and Swallowing Disorders Committee for this academy. Dr. Hogikyan has also been a key

member of the Medical Student Teaching Committee for the Department of Otolaryngology and helped oversee the development of teaching materials for our students. In 2004, Dr. Hogikyan was awarded the Frank N. Ritter Teacher of the Year Award from the Department which is given for excellence in resident teaching by the graduating resident class.

Research: Dr. Hogikyan's research efforts have focused on laryngeal innervation and molecular approaches to nerve regeneration. He has collaborated extensively with Dr. Eva Feldman in Neurology and has contributed to the development of an injury model for laryngeal and facial nerves. These collaborations have included exploration of transgenic expression of neural growth factors and he has been a collaborator on Dr. Feldman's program for gene therapy for injured laryngeal and facial nerves. Dr. Hogikyan has developed the only voice related quality of life instrument for patients with voice disorders and this instrument is now used internationally. He has been a stellar collaborator on all of our clinical trials dealing with laryngeal cancer and this work has resulted in numerous seminal publications. He has been the recipient of several small developmental grants and currently has a grant application under review by the Juvenile Diabetes Research Foundation.

Dr. Hogikyan is one of a small number of voice specialists who are nationally engaged in basic science investigations to understand the issues confronting reinnervation of intrinsic laryngeal musculature. His work has demonstrated consistent focus, continuity and innovation and he has received national recognition for these efforts. Dr. Hogikyan has published the results of his research in over 50 scientific publications. Among these are seminal articles describing the method of delivery of adenoviral vector to injured recurrent laryngeal nerve and the relationship of vocal cord tension to length in the thyroarytenoid muscle. Dr. Hogikyan has pioneered the clinical use of Botox injections for relief of spasmodic dysphonia. He has published his research results and has used the Voice Related Quality of Life instrument developed at the University of Michigan to assess the success of this treatment. This is the first quantitative measure of improvement with this therapeutic technique. His work with voice and quality of life measures is recognized internationally as being innovative and is being used by a number of international investigators to quantify the very subjective issue of voice. Dr. Hogikyan has been an editorial reviewer for major specialty journals including the *Archives of Otolaryngology-Head and Neck Surgery*, the *Annals of Otology, Rhinology and Laryngology*, *Otolaryngology-Head and Neck Surgery* and the journal *Laryngoscope*.

#### Recent and Significant Publications:

Rubin A, Mobley B, Hogikyan N, Bell K, Sullivan K, Boulis N, Feldman E: Delivery of an adenoviral vector to the crushed recurrent laryngeal nerve. *Laryngoscope* 113:985-989, June 2003.

Johns M, Urbanchek M, Chepeha D, Kuzon W, Hogikay N: Length-tension relationship of the feline thyroarytendoid muscle: *Journal of Voice* 18(3) 285-291, 2003.

Rubin A, Wodchis W, Spak C, Kileny P, Hogikyan N: Longitudinal effects of Botox injections on voice related quality of life (V-RQOL) for patients with adductory spasmodic dysphonia. *Archives of Otolaryngology-Head and Neck Surgery* 130:415-420, 2004.

Murry T, Medrado R, Hogikyan N, Aviv J: The Relationship between ratings of voice quality and quality of life measures. *Journal of Voice* 18(2) 183-192, 2003.

Fung K, Lyden T, Lee J, Urba S, Worden F, Eisbruch A, Tsien C, Bradford, Chepeha D, Hogikyan N, Prince M, Teknos T, Wolf G: Voice and swallowing outcomes of an organ-preservation trial for advanced laryngeal cancer. *Int J Radiation Oncology Biol Phys* 63(5) 1395-1399, 2005.

Service: Dr. Hogikyan's administrative service has been outstanding. He serves as Medical Director of our Livonia Sub-Specialty Clinic and Division Chief of the Division of Laryngology, Rhinology and General Otolaryngology in the Department. He also serves as Medical Director for the Speech Pathology service in the hospital and has served on a number of hospital committees. He has participated in the Lean Project Committee for Ambulatory Surgery and has completed the Leadership Development Course provided by the Health Care Leadership Institute in the Ross School of Business. Dr. Hogikyan was founder of the Annual Throat Cancer Screening and Smoking Cessation Clinic which has been held on an annual basis for over ten years. He has also been very active in voice instruction for teachers. He has prepared presentations for the Annual Midwestern Conference on School, Vocal and Instrumental Music, the National Association of Teachers of Singing, the Michigan Speech, Language and Hearing Association, the Michigan Oto-Laryngological Society, the Michigan State Medical Society, the Michigan Work Alumni Society, the Mid-Michigan Music Educator's Association and the NIH Vocal Fold Paralysis Study Group at the University of California-Irvine. All of these contributions to service and teaching have been significant factors at growing our clinical voice program and establishing national prominence.

Professional Work: Dr. Hogikyan's clinical work involves seeing patients at the University of Michigan Taubman Health Care Center and the Livonia Subspecialty Clinic where he is Medical Director. He provides unique clinical expertise in the area of voice care, sophisticated laryngeal framework surgery, botulinum toxin laryngeal injections, swallowing and cancer. Under his direction, the program has grown to the point that we are ready to recruit an additional voice specialist with specific interest in swallowing disorders.

External Review:

Reviewer A: "Dr. Hogikyan's research and publications support an international reputation in laryngology....He is one of the world's leaders in regenerative phenomena of the recurrent laryngeal nerve and how these phenomena affect vocal cord patients afflicted with vocal cord paralysis and other neural diseases of the larynx."

Reviewer B: "I believe that Norm plays a major role in appropriate national peer organizations and his service to these organizations has been outstanding. Furthermore, his inter-disciplinary achievements are quite noteworthy..."

Reviewer C: "His multiple publications and presentations have brought him to national and international prominence....I am certain that he would be promoted to an equivalent rank at [my institution]."

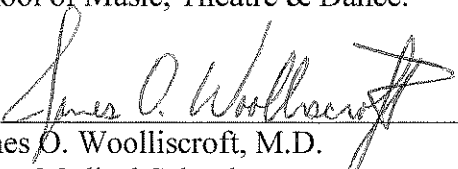
Reviewer D: "His commitment [to teaching] is evidenced by the breadth and depth of activity at all levels (high school, undergraduate, postgraduate, fellowship, and CME) and across multiple faculties and disciplines."

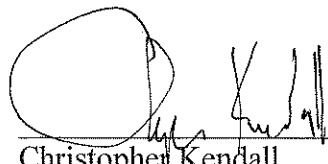
Reviewer E: "He has been receiving academic distinctions since the first years of his education, on a consistent fashion that has brought him to a professional level rarely achieved as a clinician, researcher and teacher....In my institution and probably anywhere Dr. Hogikyan would be appointed as full professor, with honors."

Reviewer F: "Dr. Hogikyan's career growth has been most impressive. In reviewing Dr. Hogikyan's curriculum vitae, I find it to be very extraordinary....Dr. Hogikyan certainly ranks well among others in our subspecialty and is now a star in Laryngology."

Summary of Recommendation:

Dr. Hogikyan's career has been dedicated to university life, scholarly pursuits and the highest levels of professionalism, service and teaching excellence. He brings national prominence to our University and provides an essential clinical service in voice disorders that is not provided anywhere else in Southeastern Michigan. We are pleased to recommend Norman D. Hogikyan, M.D. for promotion to Professor, with tenure, in the Department of Otorhinolaryngology, and Professor of Music (Department of Voice), without tenure, in the School of Music, Theatre & Dance.

  
James O. Woolliscroft, M.D.  
Dean, Medical School  
*Lyle C. Roll Professor of Medicine*

  
Christopher Kendall  
Dean, School of Music, Theatre & Dance

May 2008