

PROMOTION RECOMMENDATION
THE UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF INTERNAL MEDICINE

Lillian C. Min, M.D., assistant professor of internal medicine, Department of Internal Medicine, Medical School, is recommended for promotion to associate professor of internal medicine, with tenure, Department of Internal Medicine, Medical School.

Academic Degrees:

M.S.H.S.	2005	University of California, Los Angeles
M.D.	1999	University of California, Los Angeles
B.A.	1995	Brown University

Professional Record:

2010-present	Assistant Professor of Internal Medicine, University of Michigan
2006-2010	Assistant Professor of Internal Medicine, University of California, Los Angeles
2006-2006	Clinical Instructor, Department of Internal Medicine, University of California, Los Angeles

Summary of Evaluation:

Teaching: Dr. Min has numerous teaching activities that involve a variety of learner groups. She is actively engaged in the teaching of the geriatric fellows. During their ambulatory rotation on the geriatrics service, she guides them through managing chronic medical conditions and utilizing the health system resources. On the consult service, her goal is to teach them to write excellent consultation recommendations and how to manage a multidisciplinary geriatric service. Dr. Min is also the co-director of the Geriatrics Clinical Conference and the coordinator of the Journal Club Series. Dr. Min is the director of the University of Michigan's Medical Student Training in Aging Research (MSTAR) Program. This is a nationally competitive award supported by the National Institute on Aging (NIA) and the American Federation for Aging Research (AFAR). The program is for medical students to pursue a mentored experience between their first and second year ranging from basic science to clinical research.

Research: Dr. Min's research has focused on the quality of care for older patients with complex chronic conditions and how the delivery of care is influenced by underlying morbidity among older adults. Her work is collaborative and her leadership and expertise are sought out by her peers. Dr. Min has 34 peer-reviewed publications, 22 while in rank (nine as first or senior author), with two additional publications that have been submitted. Dr. Min has an impressive track record of funding including a past R21 (DHHS) grant. Recently, she has been awarded an R01 (NIH) and IIR (VA) as the principal investigator and has several other collaborative grants. Dr. Min's scholarly excellence can also be noted in just a few of the many awards she has won: Hartford Foundation Center of Excellence Scholar (2012-2014), Best Paper - all categories -

American Geriatrics Society Annual Scientific Meeting (2012), and Best Geriatrics Research Paper, Society for General Internal Medicine Annual Meeting (2015).

Recent and Significant Publications:

Min Lillian, Ubhayakar Nitin, Saliba Debra, Kelley-Quon Lorraine, Morley Eric, Hiatt Jonathan, Cryer Henry, Tillou Areti: The Vulnerable Elders Survey-13 predicts hospital complications and mortality in older adults with traumatic injury: a pilot study. *Journal of the American Geriatric Society* 59:1471-1476, 2011.

Min Lillian, Wenger Neil, Blaum Caroline, Reuben David, Walling Anne, Cigolle Christine, Roth Carol, Ganz David, Shekelle Paul, Wenger Neil, Kerr Eve: When co-morbidity, aging, and complexity of primary care meet: Development and validation of the Geriatric Complexity of Care Index (GXI). *Journal of the American Geriatric Society* 61:542-550, 2013.

Tillou Areti, Kelly-Quon Lorraine, Burrus Sigrid, Morley Eric, Cryer Henry, Min Lillian: Long-term post-injury functional recovery: Outcomes of geriatric consultation. *JAMA Surgery* 149:83-89, 2014.

Min Lillian, Blaum Caroline, Kerr Eve, Cigolle Chris, Reuben David, Wenger Neil: Contrasting effects of geriatric conditions versus general medical multimorbidity on quality of care. *J Am Geriatr Soc* 62:1714-1721, 2014.

Min Lillian, Cryer Henry, Chan Chiao-Li, Roth Carol, Tillou Areti: Quality of care delivered before versus after a quality-improvement intervention for acute geriatric trauma. *Journal of the American College of Surgeons* 220:820-830, 2015.

Service: Dr. Min has been an active ad hoc reviewer for the *Journal of American Geriatrics Society* since 2010. She also reviews abstract submissions for the annual meetings for the American Geriatrics Society (AGS) and the Society for General Internal Medicine. Dr. Min is a committee member on the American Geriatrics Society Quality and Performance Measurement Committee and the AGS Junior Faculty Interest Group Steering Committee. At the university, Dr. Min serves on the Department of Medicine Quality Council and on the Division of Geriatric and Palliative Medicine Clinical Leadership Committee. Dr. Min's clinical effort is split between consult service and ambulatory care. The medical community and Dr. Min's peers recognize her devotion to patient care. Dr. Min has been listed as one of the "Best Doctors in America," by Best Doctors, Inc., for Geriatrics (2013-2015).

External Reviewers:

Reviewer A: "Dr. Min has made important contributions to the understanding of how delivery of high quality care is influenced by underlying morbidity among older adults. While many people have written opinions or given guidance on the importance of considering issues of multimorbidity or frailty in assessment of quality of care, Dr. Min has taken a rigorous methodological approach by developing and applying strong research methods to provide a higher level of evidence than previously available....She has been publishing and presenting this

work at the leading geriatrics journals and meetings. She has also extended her reach by partnering with trauma surgeons, bringing the perspective of management of complexity to the high cost and highly morbid conditions of trauma in the elderly. In this role, she has successfully combined improving care in a clinical environment with evaluating and publishing those results.”

Reviewer B: “Dr. Min’s expertise has been sought by a number of key regional, national and international organizations and committees, including the Health Services and Population Health Research Committee in Scotland, the American Geriatrics Society Committee on Quality and Performance, a VA Technical Expert Panel and the American Federation on Aging Research Medical Student Training in Aging Research (MSTAR) award review committee....Dr. Min has been influential in enhancing and improving clinical care for older adults. She has achieved this by applying a rigorous approach to addressing the complex issues related to safe and effective medication prescribing among frail older adults.”

Reviewer C: “Dr. Min’s scholarship has been very impressive. She has tackled important questions [sic] and made important original contributions to the literature, the scientific and health policy community, and to the care of older people....Dr. Min’s work on developing the Vulnerable Elder Survey—13 has been important for the field. A tool to identify people with future risk of mortality or functional decline, it has been used by multiple researchers. In addition, its logic has been incorporated in a number of predictive models in the context of development of population health strategies.”

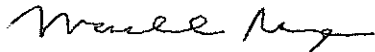
Reviewer D: “Her independent research is well-funded and has had an important impact on the field. She has made significant contributions to medical training and serves her discipline through active peer review. I fully support this promotion. I expect that she will continue to be productive and is clearly an emerging national leader.”

Reviewer E: “She has been a key investigator in the development, validation and use of a very well-known tool in geriatrics called the Vulnerable Elders Survey-13 (VES-13). This tool is an excellent predictor of poor functional outcomes and mortality in older adults....Her work with this tool naturally led to the development and validation of the Geriatric Complexity of Care Index (GXI). The GXI is useful for better understanding the complexity of a given patient in a primary care panel. In fact, she has developed nationally recognized expertise in research and care of complex elders in the ambulatory care and hospital settings and in the geriatric trauma patient. These contributions have been published in highly respected journals...”

Reviewer F: “While pursuing her own career development, Dr. Min has been generous with her time, mentoring medical students, fellows, and faculty members. At the same time, she has been a good citizen, serving on local, regional, and national committees....Her science is difficult but important work; she has been successful in obtaining external funding in a very challenging funding climate; she is helping to train the next generation of clinical researchers in aging; and she is emerging as a leader in the field of quality of care for older adults with multiple chronic conditions.”

Summary of Recommendation:

Dr. Min is an innovative, collegial, and productive faculty member. Her research area is geriatric medicine with a focus on the quality of care for older adults with multiple chronic complex conditions. She has garnered a national reputation as a leading expert in the field. She is a brilliant scholar who is highly regarded by her peers and serves the University with distinction. I enthusiastically recommend Lillian C. Min, M.D. for promotion to associate professor of internal medicine, with tenure, Department of Internal Medicine, Medical School.



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

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