

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

Vineet I. Chopra, M.B.B.S., M.Sc., associate professor of internal medicine, with tenure, Department of Internal Medicine, Medical School, is recommended for promotion to professor of internal medicine, with tenure, Department of Internal Medicine, Medical School.

Academic Degrees:

M.Sc.	2012	University of Michigan
M.B.B.S.	2001	Grant Medical College, Mumbai, India

Professional Record:

2017- present	Associate Professor of Internal Medicine, University of Michigan
2016- 2019	Adjunct Professor, Griffith University, Queensland, Australia
2012- 2017	Assistant Professor of Internal Medicine, University of Michigan
2008- 2012	Clinical Assistant Professor of Internal Medicine, University of Michigan

Summary of Evaluation:

Teaching: Dr. Chopra's teaching is expansive and crosses many disciplines, in the classroom setting, inpatient service, outpatient clinics, didactic lectures and through direct mentoring. He interacts with undergraduate students as an informal mentor for those contemplating medical school, and since 2015, he has led Michigan's participation in the South Asian Healthcare Leaders Forum. This Harvard based program's focus is to develop undergraduate students and allows them the opportunity to explore the medical sciences through shadowing in the hospital, participating in research studies and didactic teaching. Dr. Chopra has been integral in the design of the summer course, as well as the inception of the course; he also mentors students during the summer sessions. In working with medical students, Dr. Chopra gives lecture based sessions on a variety of topics from EKG interpretation to how to be an effective mentee. This particular lecture has been very well received and has been shifted to the M1 sequence. For the M3/M4 students, Dr. Chopra interacts with them while rounding on the inpatient service at both Michigan Medicine and at the Ann Arbor Veterans Affairs Healthcare System. Since 2017, Dr. Chopra has continued to mentor and train post-graduate fellows in the National Clinician Scholars Program. During this time, he is actively engaged in mentoring the fellows and grooming them towards a research path. He has also acted as a mentor for several fellows from other hospital services, included Orthopedic Surgery, Pediatrics, Nursing and Critical Care Medicine. To illuminate Dr. Chopra's teaching impact, he has been the recipient of the Teaching Award for Medical Students (2014, 2018, 2019), the Richard D. Judge Award for Medical Student Teaching (2016), the Distinguished Clinical and Translational Research Mentor Award (2019) and he was a nominee for the Golden Apple Award (2019).

Research: The overarching goal of Dr. Chopra's research is preventing hospital acquired complications. His research interests fall into three distinct categories: defining the risk of peripherally inserted central catheters (PICCs) associated complications, developing interventions

to reduce vascular catheter related complications and improving patient quality and safety in diverse areas, by working with mentees and junior faculty. Since his last promotion, Dr. Chopra has been successful in his efforts to define risks associated with PICCs as he has published over ten papers on the topic. His work within this area has expanded outside of general medicine populations to include patients in the ICU setting, this was accomplished through collaborations with intensivists across the nation. Recognition of his work in designing interventions to reduce catheter related complications was given to Dr. Chopra in 2018 as he was asked to act as a content expert in a national initiative, STRIVE in catheter related infections. His role within this initiative (funded by the Centers for Disease Control), was to oversee the implementation of interventions across 48 states, aimed at reducing/preventing hospital infections including central line bloodstream infections (CLABSI). His work on the STRIVE initiative led to him being given the opportunity to serve as first author on the updated CDC CLABSI guidelines, arguably the most influential document in the world on this topic. His long standing interest in patient quality and safety has led Dr. Chopra to guide mentees on their research paths into topics that they are inherently interested in. He has had fruitful collaborations on subjects ranging from hand hygiene, to antibiotic and opioid stewardship, in hospital settings, to his most recent collaboration with hospital medicine fellow, Dr. Abedini. In this collaboration, they are examining how factors such as loneliness affect end-of-life care and what interventions may help to reduce inappropriate care at end of life. Dr. Chopra has over 200 peer-reviewed publications with 87 of those in rank. He has written four books in the last year and a half and he has written four book chapters. Dr. Chopra's research has been continuously funded since 2013. The quality of his research is quite remarkable, as reflected in the numerous times he has been asked to present his work at national and international meetings including the International Safety and Quality Conference in London, the World Congress of Vascular Access in Brazil and annual Society of Hospital Medicine meetings.

Recent and Significant Publications:

Chopra V, Toner E, Waldhorn R, Washer L: How Should US Hospitals Prepare for Coronavirus Disease 2019 (COVID-19)? *Ann Intern Med* 2020; Mar 1:1, 2020.

Paje D, Rogers MAM, Conlon A, Flanders SA, Bernstein SJ, Chopra V: Use of Peripherally inserted central catheters in patients with advanced chronic kidney disease: a prospective cohort study. *Ann Intern Med* 2;171(9):683-684, 2019.

Patel PK, Olmsted RN, Hung, L, Popovich KJ, Meddings J, Jones K, Calfee DP, Fowler KE, Saint S, Chopra V: A tiered approach for preventing central line-associated bloodstream infection: a narrative review. *Annals Int Med.*1; 171: S16-S22, 2019.

Vaughn VM, Saint S, Krein SK, Forman J, Meddings JM, Ameling J, Winter S, Townsend W, Chopra V: Characteristics of healthcare organizations struggling to improve quality: results from a systematic review of qualitative studies. *BMJ Qual Saf.* 28(1):74-84, 2019.

Timsit JF, Rupp M, Bouza E, Chopra V, Kärpänen T, Laupland K, Lisboa T, Mermel L, Mimoz O, Parienti JJ, Poulakou G, Souweine B, Zingg W: A State of the Art Review on Optimal Practices to prevent, recognize and manage complications associated with intravascular devices in the critically ill. *Intensive Care Med.* 44(6): 742-759, 2018.

Service: Since joining the faculty of Michigan Medicine in 2008, Dr. Chopra has also been providing his service as a staff physician at the Ann Arbor Veterans Affairs Healthcare System. He provides high-quality, compassionate, evidence based care to patients on the general medicine

wards. In 2016, the VA appointed Dr. Chopra as the co-director of the Patient Safety Enhancement Program and the following year, he was also appointed the co-director of the Health Service Research Unit for the Divisions of General Medicine and Hospital Medicine. That same year, Dr. Chopra was appointed as the inaugural chief of hospital medicine. His service to institutional committees is impressive, in that he is a member of The Institute for Healthcare Policy and Innovation, Research Curriculum Redesign Committee through the Internal Medicine Residency Program, Central line-associated bloodstream infection Steering Committee and he is a member of the Adult Palliative Care Steering Committee. With the COVID-19 pandemic hitting Michigan Medicine this spring, Dr. Chopra played a key role in the institutional response to COVID and he provided direct patient care to our first COVID-19 patient. His efforts within the COVID-19 crisis led Dr. Chopra to being named a member of the Steering Committee for the MiCOVID-19 Data Registry. Nationally, Dr. Chopra serves as the chair of the Research Committee for the Society of Hospital Medicine and he is the hospital medicine liaison for the Healthcare Infection Control Practice Advisory Committee and will serve as the chair of this committee for 2021. Dr. Chopra serves on several study sections and editorial boards. He has been the feature editor for the *Annals for Hospitalists* which is housed in the *Annals of Internal Medicine*, he serves as the deputy editor for the *Journal of Hospital Medicine* and he is an editorial board member for the *Annals of Internal Medicine*.

External Reviewers:

Reviewer A: “His impressive list of funded projects, peer-reviewed publications, and research awards- which he has earned for specific research projects as well as overall accomplishments (including the SHM Excellence in Research Award, which is bestowed upon one hospitalist researcher annually)-illustrate his sustained success and national recognition in quality and safety research.”

Reviewer B: “He has successfully translated his research funding into a high impact series of peer-reviewed publications, including in the *Annals of Intern Medicine*, *JAMA*, and *The Journal of Hospital Medicine*. His CV lists almost 50 publications since 2019, which is an astounding degree of scholarship.”

Reviewer C: “Dr. Chopra has used different means to promote his research within the medical community. This is reflected in his prolific contributions with original observations, reviews, and books, his invited grand rounds across the country, in addition to building collaboratives regionally, nationally, and internationally.”

Reviewer D: “His scholarship is exemplary. He addresses important questions, applies rigorous research methodology, and communicates the results of his work clearly and compellingly. His publications list is impressive not only for its length, but also for its substance.”

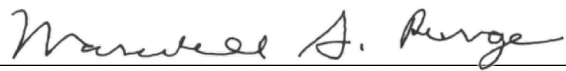
Reviewer E: “He has developed a strong national and international reputation for research in patient safety and he is an internationally renowned expert on complications related to PICC lines.”

Reviewer F: “Dr. Chopra is one of the 2-3 most accomplished faculty researchers and leaders in the field of hospital medicine. He has published widely in the areas of healthcare-associated infections, with pioneering work in the use and risks of peripherally-inserted central catheters

(PICCs), work that has influence by care and policy in the U.S. and around the world. He has published scores of influential studies in this area and has had a major role on several national and international committees. He is the unquestioned international leader in this field.”

Summary of Recommendations:

Dr. Chopra is an exceptional physician scientist who is making broad strides in the prevention of hospital acquired complications. He continues to thrive as a highly valued leader/faculty member with strength in teaching, mentorship and research endeavors. I am pleased to recommend Vineet I. Chopra, M.B.B.S., M.Sc. for promotion to professor of internal medicine, with tenure, Medical School.



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

May 2021