

PROMOTION RECOMMENDATION
THE UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF SURGERY

Hari Nathan, M.D., Ph.D., assistant professor of surgery, Department of Surgery, Medical School, is recommended for promotion to associate professor of surgery, with tenure, Department of Surgery, Medical School.

Academic Degrees:

Ph.D.	2012	Johns Hopkins University
M.D.	2004	Johns Hopkins University
B.S.	2000	Johns Hopkins University

Professional Record:

2014 - present Assistant Professor of Surgery, University of Michigan

Teaching: Dr. Nathan is a dedicated teacher to medical students and surgical residents. The majority of his teaching is at the bedside. He teaches surgical residents technical skills in the operating room and patient evaluation and management in the clinics and on the wards. Since 2017, Dr. Nathan has served as the medical student clerkship and sub-internship coordinator for the hepatopancreatobiliary (HPB) service. In 2015, Dr. Nathan established a weekly HPB pre-operative teaching conference for residents and students that has been very educational to learners at all levels in conveying nuances of operative decision-making and technique, and he continues to coordinate this conference. He has created materials for the HPB resident education curriculum including online modules and video lectures, and he has led teaching conferences and journal clubs with junior and senior residents. He annually serves as an examiner for mock oral boards to residents and has created standardized questions as well. Finally, his teaching of medical students and residents has included mentorship of those engaged in research.

Research: Dr. Nathan's research program focuses on understanding variation in expenditures and quality for surgical procedures in an effort to identify opportunities for optimizing value. He is nationally recognized as a leader in this area. He has published more than 80 peer-reviewed articles. He was awarded the 2018 American College of Surgeons Jacobson Promising Investigator Award, which is given annually to the most promising junior researchers in American surgery. In 2019, Dr. Nathan was awarded the Rogel Cancer Center Dr. Frank Limpert Clinical Scholar Career Development Award. He is well funded through the Agency for Healthcare Research and Quality, the National Institutes of Health and Blue Cross Blue Shield of Michigan. Dr. Nathan is the director of the Michigan Value Collaborative. He was asked to serve as a mentor to more junior faculty through the Michael Zinner Health Services Research Fellowship Program of the Surgical Outcomes Club, the national society for surgical health services research. He has been invited to lecture at national and international courses on conducting research and grant writing, including the Association of Academic Surgery and Society of University Surgeons Surgical Investigators' Course.

Recent and Significant Publications:

Shubeck SP, Thumma JR, Dimick JB, Nathan H: Hot spotting as a strategy to identify high-cost surgical populations. *Ann Surg* 269(3): 453-458, 2019.

Nathan H, Thumma JR, Ryan AM, Dimick JB: Early impact of Medicare Accountable Care Organizations on inpatient surgical spending. *Ann Surg* 269(2): 191-196, 2019.

Nathan H, Thumma JR, Norton EC, Dimick JB: Strategies for reducing population surgical costs in Medicare: Local referrals to low-cost hospitals. *Ann Surg* 267(5): 878-885, 2018.

Shubeck SP, Thumma JR, Dimick JB, Nathan H: Hospital quality, patient risk, and Medicare expenditures for cancer surgery. *Cancer* 124(4): 826-832, 2018.

Nathan H, Atoria CL, Bach PB, Elkin EB: Hospital volume, complications, and cost of cancer surgery in the elderly. *J Clin Oncol* 33(1): 107-114, 2015.

Service: Dr. Nathan has a strong history of service to the institution as well as regional, national, and international organizations. In five years, Dr. Nathan has developed the busiest HPB surgical practice at the University of Michigan and is well known as a skilled pancreatic and hepatic surgeon. He is the director of the Multidisciplinary Pancreatic Cancer Clinic. In 2017, Dr. Nathan established the Hepatic Arterial Infusion Pump Program, which is the largest in the midwest. His role in both programs has involved significant collaboration and consensus-building. He serves on the Department of Surgery Research Advisory Committee and General Surgery Program Evaluation Committee. In the Rogel Cancer Center, Dr. Nathan has served on the Cancer Center Protocol Review Committee and currently serves on the UM Rogel Cancer Center Commission on Cancer Work Group. Regionally, he serves as the co-chair of the Michigan Surgical Quality Collaborative Cancer Steering Committee, and he is currently leading an effort to improve pancreatotomy outcomes by standardizing care pathways across Michigan. Nationally, Dr. Nathan serves on the American College of Surgeons Commission on Cancer as the Cancer Liaison Physician to Michigan Medicine. He has co-chaired and also chaired the Association of Academic Surgery (AAS) Early Career Development Course. Dr. Nathan is also the co-director of the AAS Aspiring Leaders Development Program. He has served as the chair of the AAS Leadership Committee, is current the chair of the AAS Finance Committee, and the Academic Surgical Congress Development Task Force. He is currently the treasurer of AAS. He has also served in multiple committee positions in the Society of Surgical Oncology, his primary national specialty organization. Dr. Nathan has served on numerous committees of the Americas Hepato-Pancreato-Biliary Association. He is a reviewer for multiple journals within his field, including the *Annals of Surgery*, *JAMA Surgery*, *Annals of Surgical Oncology*, *Journal of Clinical Oncology*, *Cancer, Medical Care*, *Journal of Surgical Oncology*, *Journal of Gastrointestinal Surgery*, and *Journal of Surgical Research*.

External Reviewers:

Reviewer A: "There is no question that Hari is one of the more well-recognized surgical health services researchers in the country...He has also demonstrated good mentorship for a number of residents...He is very actively involved in the Association for Academic Surgery (AAS) where

he has chaired multiple committees and led the national AAS career development course. He is currently the Treasurer of the AAS, and I would suspect that he would ascend to the presidency of the AAS in 3-4 years.”

Reviewer B: “He was also selected by the American College of Surgeons as the recipient of the Jacobson Promising Investigator Award which is given to the surgeon, at the tipping point of his/her career, who shows sign of true promise. As a member of the committee that selects the recipient, I can say that there was no question that Hari was the best candidate; the competition was not even close.”

Reviewer C: “Dr. Nathan is committed to developing the next generation of surgeon-scientists. Dr. Nathan has, in addition to his active clinical practice and NIH-funded research efforts, developed a strong and sustained record of involvement in education. He has mentored numerous medical students with career interests in surgical oncology, post-doctoral fellows with a focus on liver malignancy, and future surgeon-scientists.”

Reviewer D: “Many surgeons are prolific writers, but very few have both the quantity and quality that Dr. Nathan has produced...Dr. Nathan is among the very best of his peer group. I would rate him in the top 1-2% of Assistant Professors that I have encountered.”

Reviewer E: “With over 70 original peer-reviewed publications in high impact surgical and general medical journals, as well as multiple independent grant awards (including a K award), Dr. Nathan is in rarified company.”

Reviewer F: “From an education and mentorship standpoint, he is responsible [sic] the future surgical careers of many faculty members, residents and medical students...He is involved in numerous teaching activities not only locally, but also around the country in HPB surgery and career development courses with the AAS. His ability to lead and mentor is readily evident.”

Summary of Recommendation:

Dr. Nathan is renowned as a surgical health services researcher and leader, and as an excellent surgeon and teacher. He has published impactful articles and is well funded for his research. I am pleased, therefore, to recommend Hari Nathan, M.D., Ph.D. for promotion to associate professor of surgery, with tenure, Department of Surgery, Medical School.



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

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