

SURGERY RESEARCH COLLABORATIVE

Hollis E. Hutchings, MD | Kaitlyn Dobesh, MD JD | Lucy C. Chau, MD

The Next Chapter

Drs. Ian Wood and Zoe Lu will be spending dedicated time away from clinical duties to conduct surgical research for the 2023-2024 academic year. Dr Zoe Lu will be conducting a 1 year research fellowship in the Department of Surgery at Henry Ford Health. Dr. Ian Wood will be conducting a 2 year research fellowship in surgical oncology.

Upcoming Meetings

American Venous Forum, TX
Kaitlyn Dobesh

Houston Aortic, TX
Kaitlyn Dobesh

SSO 2023 Boston, MA
Hollis E Hutchings

SAGES 2023, Montreal
Lucy C Chau

ASCRS San Diego, CA
Kaitlyn Dobesh

2023 Ohio Urological Society Annual Conference, OH
Mallory McCormick

AATS Los Angeles, CA
Hollis E Hutchings, Donald Chang

2023 American Urological Association Annual Meeting
Mallory McCormick

American Transplant Congress, San Diego, CA
Lucy C Chau

Elevating Research in the Department of Surgery

The surgery research collaborative, hosted by research fellows Hollis Hutchings (Division of Thoracic Surgery), Kaitlyn Dobesh (Betty Jane and Alfred J. Fisher Vascular Surgery Research Fellow), and Lucy Chau (Transplant Institute, Henry Ford Health), are pleased to present the research achievements in the Department of Surgery.

In the 2022-2023 Academic Year, residents in the department have presented and published numerous projects.

Regional & National Presentations: 24 and counting

Publications: 7 and counting

Residents conducting research with department submitted multiple projects to the upcoming Michigan Chapter of ACS meeting, and we look forward to representing the Henry Ford Surgery Department at the upcoming meeting.

Research Highlight - Thoracic Surgery

Division of Thoracic Surgery research fellow Hollis E. Hutchings, MD, is proud to discuss her most recent manuscript, "Treatment patterns and outcomes in patients with Pancoast tumors: a national cancer database analysis." Published in Journal of Thoracic Disease, Hutchings et al queried the NCDB for all cases of pancoast tumors and treatment received. Only a quarter of the cases received standard of care chem-radiation followed by surgery, and those receiving standard of care treatment experienced statistically significant improvement in survival. Hutchings et al plans to continue to investigate this disparity in care received by conducting future research on cancer centers treating Pancoast tumors.

Hutchings HE, Cox J, Westra J, Kuo YF, Okereke IC. Treatment patterns and outcomes in patients with Pancoast tumors: a national cancer database analysis. *J Thorac Dis.* 2023; 15(1):33-41. doi: 10.21037/jtd-22-1077

Research Highlight - General Surgery

Transplant Institute research fellow, Lucy C. Chau, would like to introduce her abstract, "Effect of neuromuscular blockade reversal on post-operative urinary retention following inguinal herniorrhaphy." In smaller cohorts, sugammadex, a selective antagonist for rocuronium and vecuronium, was associated with reduced rates of post operative urinary retention (POUR) compared to anticholinesterases. We developed a system wide study that aimed to define the risk of POUR following inguinal hernia repair in those that received sugammadex compared to anticholinesterases. We identified 3345 patients who underwent inguinal herniorrhaphy from 2019 -2022. The 30-day rate of new POUR was 2.8%; 1.4% in the sugammadex cohort and 4.4% in the anticholinesterase cohort. After propensity score matching, patients receiving sugammadex at Henry Ford Health for inguinal herniorrhaphy had significantly lower risk of POUR compared to anticholinesterase overall, in open cases, minimally invasive cases, unilateral repairs, bilateral repairs, elective cases, and clean. This study will be presented as a plenary presentation at SAGES annual meeting in Montreal and will be submitted for publication in *Surgical Endoscopy*.

L.C. Chau, R. Ferguson, A. Jarman, R. Soheim, M. Dix, K. McFarlin, C. Stanton. Effect of neuromuscular blockade reversal on post-operative urinary retention following inguinal herniorrhaphy. 2023 SAGES Annual Meeting. Plenary Presentation

