

Colorectal Research Center

VANDERBILT  UNIVERSITY
MEDICAL CENTER

Colorectal Research Newsletter - Summer 2023

FELLOWSHIP

Salvatore Parascandola concluded his fellowship at the end of July. We had an outstanding year with him and are sorry to see him go. **Erin Wolf-Horrell** from Vanderbilt has taken over as the 2023-24 Colorectal Fellow.

Also this summer, we bid farewell to **Andrea Fa**, who served as our inaugural Colorectal Research Fellow. We were fortunate to recruit **Samuel Younan** from the Vanderbilt Residency Program to serve as our 2023-24 Research Fellow.

AWARDS

Dr. Khan was selected to present his work at the 2023 Southeastern Surgical Congress "Shark Tank Program".

Andrea Fa and Georgina Sellyn were awarded Honorable Mention at the 41st Annual Vanderbilt VUMC Research Forum.

GRANTS

Megan Shroder was awarded a highly competitive General Surgery Resident Research Initiation Grant from the *American Society of Colon & Rectal Surgeons* on a project entitled "Patient Reported Outcome Measures in Diverticulitis".

Thomas Ueland was awarded a prestigious NIDDK Medical Student Research Training Program grant that will fund his year of research building a Diverticulitis Polygenic Risk Score model. Tom worked with faculty across Vanderbilt to craft his grant proposal and secured NIH funding on his first try!

CURRENT RESEARCH

Drs. Hopkins and Younan are working on a project looking at outliers from our ERAS program.

Dr. Khan continues his work examining various ways machine learning can aid surgeons in the operating room.

Drs. Ford and Wolf-Horrell are working on a preoperative weight loss program for our patients suffering from morbid obesity.

Drs. Hawkins and Younan are working to test a newly created decision aid for patients with recurrent diverticulitis.

Drs. Khan, Fa and Younan, along with **Hillary Samaras**, are working with a collaborative out of the University of Colorado looking at the non-operative treatment of rectal cancer.

PAPERS PUBLISHED

The section had **16** papers published in the first half of 2023. They follow on the next page.

PRESENTATIONS

The section had **five** separate research presentations at the 2023 *American Society of Colon & Rectal Surgeons* meeting. Abstracts were presented by **Drs. Fa, Khan, Parascandola, and Shroder, and Mr. Ueland**.

Also at the 2023 ASCRS meeting, **Dr. Ford** delivered a talk titled "Scoping uncharted territory: screening and surveillance in young onset colorectal cancer".

Drs. Khan and Shroder both presented at the 2023 meeting of the TN chapter of the ACS.

DEADLINES

The deadline for abstract submission for the **2024 ASCRS** meeting is Sunday, October 29, 2023.

VISIT OUR WEBPAGE AND SUPPORT OUR WORK

<https://www.vumc.org/vcrg/homepage>

Published papers:

- 1: Hawkins AT, Fayanju OM, Maduekwe UN. Shared Decision-Making in the Surgical Sciences. *JAMA Surg.* 2023 Jul 19. doi: 10.1001/jamasurg.2023.2396. Epub ahead of print. PMID: 37466987.
- 2: Varlamos CJ, Sinco B, Van Weiren I, Regenbogen S, Gamboa AC, Silviera M, Abdel-Misih SRZ, Hawkins AT, Balch G, Hendren S. Close distal margin is associated with locoregional rectal cancer recurrence: A multicenter study. *J Surg Oncol.* 2023 Jul 17. doi: 10.1002/jso.27401. Epub ahead of print. PMID: 37458131.
- 3: Altman-Merino A, Bonnet K, Schlundt D, Wrenn J, Self WH, Gordon EJ, Hawkins AT. Complex Patient Perspectives on Evolving Diverticulitis Treatment. *medRxiv [Preprint].* 2023 Jun 27:2023.06.26.23291565. doi: 10.1101/2023.06.26.23291565. PMID: 37425810; PMCID: PMC10327256.
- 4: Hite MA, McCutcheon T, Feng MP, Ford MM, Geiger TM, Hopkins MB, Muldoon RL, Irlmeier R, Fa A, Ye F, Hawkins AT. Opioid Utilization in Outpatient Anorectal Surgery: An Opportunity for Improvement. *J Surg Res.* 2023 Jun 22;291:105-115. doi: 10.1016/j.jss.2023.05.021. Epub ahead of print. PMID: 37354704.
- 5: Shinall MC Jr, Martin SF, Karlekar M, Hoskins A, Morgan E, Kiehl A, Bryant P, Orun OM, Raman R, Tillman BF, Hawkins AT, Brown AJ, Bailey CE, Idrees K, Chang SS, Smith JA Jr, Tan MCB, Magge D, Penson D, Ely EW. Effects of Specialist Palliative Care for Patients Undergoing Major Abdominal Surgery for Cancer: A Randomized Clinical Trial. *JAMA Surg.* 2023 Jul 1;158(7):747-755. doi: 10.1001/jamasurg.2023.1396. PMID: 37163249; PMCID: PMC10173099.
- 6: Hawkins AT, McEvoy MD. Practical Considerations of Perioperative Assessment and Optimization in Major Colorectal Surgery. *Clin Colon Rectal Surg.* 2023 Jan 24;36(3):218-222. doi: 10.1055/s-0043-1761157. PMID: 37113282; PMCID: PMC10125278.
- 7: Chadi SA, Boutros M, Colibaseanu DT, da Silva G, Francone TD, Garrett KA, Harzman AE, Hawkins AT, Kaiser AM, Lee-Kong S, Olson C, Sylla P; members of the SAGES Colorectal Left and Sigmoid Colectomy for Uncomplicated Disease Subcommittee. The SAGES MASTERS program presents: the top 10 seminal articles for laparoscopic left and sigmoid colectomy pathway for uncomplicated disease. *Surg Endosc.* 2023 Apr;37(4):2528-2537. doi: 10.1007/s00464-023-09899-7. Epub 2023 Mar 2. PMID: 36862170.
- 8: Hawkins AT, Ueland T, Aher C, Geiger TM, Spann MD, Horst SN, Schafer IV, Ye F, Fan R, Sharp KW. Shared Decision-Making in General Surgery: Prospective Comparison of Telemedicine vs In-Person Visits. *J Am Coll Surg.* 2023 Apr 1;236(4):762-771. doi: 10.1097/XCS.0000000000000538. Epub 2023 Jan 19. PMID: 36728391.
- 9: Ebrahimian S, Verma A, Sakowitz S, Olmedo MO, Chervu N, Khan A, Hawkins A, Benharash P, Lee H. Association of hospital volume with conversion to open from minimally invasive colectomy in patients with diverticulitis: A national analysis. *PLoS One.* 2023 Apr 28;18(4):e0284729. PMID: 37115767
- 10: Davids JS, Hawkins AT, Bhama AR, Feinberg AE, Grieco MJ, Lightner AL, Feingold DL, Paquette IM; Clinical Practice Guidelines Committee of the American Society of Colon and Rectal Surgeons. The American Society of Colon and Rectal Surgeons Clinical Practice Guidelines for the Management of Anal Fissures. *Dis Colon Rectum.* 2023 Feb 1;66(2):190-199. doi: 10.1097/DCR.0000000000002664. Epub 2022 Nov 1. PMID: 36321851.
- 11: Keilson JM, Gamboa AC, Turgeon MK, Maguire L, Hrebinko K, Holder-Murray J, Wiseman JT, Ejaz A, Hawkins AT, Otegbeye E, Silviera M, Maitheh SK, Balch GC. Is There a Role for Adjuvant Chemotherapy in Pathologic Node-Negative Locally Advanced Rectal Cancer After Neoadjuvant Chemoradiation Therapy? *Ann Surg Oncol.* 2023 Jan;30(1):224-232. doi: 10.1245/s10434-022-12432-0. Epub 2022 Oct 21. PMID: 36269446.
- 12: Kelly Wu W, Tombazzi CR, Howe CF, Kendall MA, Walton DB, Washington MK, Ford MM, Hopkins MB, Geiger TM, Hawkins AT, Muldoon RL. Idiopathic Myointimal Hyperplasia of the Mesenteric Veins: A Rare Imitator of Inflammatory Bowel Disease. *Am Surg.* 2023 Apr;89(4):1141-1143. doi: 10.1177/0003134820973390. Epub 2020 Dec 19. PMID: 33342253.
- 13: Moazzam Z, Shah S, Ali W, Khan A. An abstract thought: Can we report abstracts in colorectal surgery better? *Dis Colon Rectum.* 2023 Jan 1;66(1):6-9. PMID: 36515510.
- 14: Sellyn G, Kapil N, Pabla B, Khan A. Polyarteritis Nodosa: A Case Report of Isolated Large Bowel Involvement and Surgical Intervention. *J Surg Case Rep* 2023 Apr 19;2023(4):rjad195. PMID: 37090906.
- 15: Iqbal A, Khan A, Hughes S, George TJ, Tan A, MD, Garcia-Chavez H, Read T. Validation of a Pelvic Surgery Difficulty Risk Model to predict difficult pelvic dissection and poor outcomes. *Surgery.* 2023 May;173(5):1199-1204. PMID: 36801077.
- 16: Lee C, Orellana M, Benharash P, Hawkins A, Khan A, Lee H. The use of surgical intervention for lower gastrointestinal bleeding and its association with clinical outcomes and resource use. *Surgery.* 2023 Apr 10;S0039-6060(23)00125-3. PMID: 37045623.