



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

MAY 2023 PUBLICATIONS

Congratulations to all department members whose research was published in May 2023! The following list is organized by division within the Department of Surgery.

ACUTE CARE AND REGIONAL GENERAL SURGERY

Catastrophic health expenditure in non-neurological injury due to motor vehicle crash.

Nishtala MV, Reed M, Schumacher J, Hanlon B, Venkatesh M, Collins M, Zarzaur BL.

J Trauma Acute Care Surg. 2023 May 1. Epub ahead of print.

[PubMed ID: [37125834](#)]

The good, the bad, and the ugly: Operative staff perspectives of surgeon coping with intraoperative errors.

D'Angelo AD, Kapur N, Kelley SR, Rivera M, Busch RA, Tevis SE, Hoedema RE, D'Angelo JD.

Surgery. 2023 May 13:S0039-6060(23)00194-0. Epub ahead of print.

[PubMed ID: [37188581](#)]

Translating the value of the academic surgeon into salary, time, and resources.

Reiter AJ, Warner SG, Chen H, Ingraham AM, Hunter CJ, Freischlag J, Raval MV.

J Surg Res. 2023 May;285:A1-A6. Epub 2023 Jan 20.

[PubMed ID: [36682973](#)]

Utility of the healthy aging brain care monitor as a patient-reported symptom monitoring tool in older injury survivors.

Fuchita M, Perkins A, Holler E, Globler N, Lasiter S, Mohanty S, Ortiz D, Gao S, French DD, Boustani M, Zarzaur BL.

J Surg Res. 2023 May 22;290:83-91. Epub ahead of print.

[PubMed ID: [37224608](#)]

CARDIOTHORACIC SURGERY

Hybrid palliation versus nonhybrid management for a multi-institutional cohort of infants with critical left heart obstruction.

Argo MB, Barron DJ, Bondarenko I, Eckhauser A, Gruber PJ, Lambert LM, Paramananthan T, Rahman M, Winlaw DS, Yerebakan C, Alsoufi B, DeCampi WM, Honjo O, Kirklin JK, Prospero C, Ramakrishnan K, St Louis JD, Turek JW, O'Brien JE Jr, Pizarro C, Anagnostopoulos PV, Blackstone EH, Jacobs ML, Jegatheeswaran A, Karamlou T, Stephens EH, Polimenakos AC, Haw MP, McCrindle BW.

J Thorac Cardiovasc Surg. 2023 May 8:S0022-5223(23)00346-X. Epub ahead of print.
[PubMed ID: [37164059](#)]

ENDOCRINE SURGERY

Determining the power required for comparing lobectomy vs total thyroidectomy for papillary thyroid carcinoma.

Balentine C.

JAMA Surg. 2023 May 17. Epub ahead of print.

[PubMed ID: [37195700](#)]

MINIMALLY INVASIVE SURGERY

A cluster randomized trial of a family health history platform to identify and manage patients at increased risk for colorectal cancer.

Voils CI, Coffman CJ, Wu RR, Grubber JM, Fisher DA, Strawbridge EM, Sperber N, Wang V, Scheuner MT, Provenzale D, Nelson RE, Hauser E, Orlando LA, Goldstein KM.

J Gen Intern Med. 2023 May;38(6):1375-1383. Epub 2022 Oct 28.

[PubMed ID: [36307642](#)]

Self-reported adherence and reasons for nonadherence among patients with low proportion of days covered for antihypertension medications.

Kharmats AY, Martinez TR, Belli H, Zhao Y, Mann DM, Schoenthaler AM, Voils CI, Blecker S.

J Manag Care Spec Pharm. 2023 May;29(5):557-563.

[PubMed ID: [37121253](#)]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

Automated detection of glottic laryngeal carcinoma in laryngoscopic images from a multicentre database using a convolutional neural network.

Yan P, Li S, Zhou Z, Liu Q, Wu J, Ren Q, Chen Q, Chen Z, Chen S, Scholp A, Jiang JJ, Kang J, Ge P.

Clin Otolaryngol. 2023 May;48(3):436-441. Epub 2023 Jan 20.

[PubMed ID: [36624555](#)]

Climate change, the environment, and rhinologic disease.

Kim J, Waugh DW, Zaitchik BF, Luong A, Bergmark R, Lam K, Roland L, Levy J, Lee JT, Cho DY, Ramanathan M, Baroody F, Takashima M, O'Brien D, Lin SY, Joe S, Chaaban MR, Butrymowicz A, Smith S, Mullings W.

Int Forum Allergy Rhinol. 2023 May;13(5):865-876. Epub 2023 Jan 16.

[PubMed ID: [36575965](#)]

Effects of device-facilitated lingual strengthening therapy on dysphagia related outcomes in patients post-stroke: A randomized controlled trial.

Krekeler BN, Yee J, Kurosu A, Osman F, Peña-Chávez R, Leverson G, Young B, Sattin J, Knigge M, Thibeault S, Rogus-Pulia N.

Dysphagia. 2023 May 17. Epub ahead of print.

[PubMed ID: [37195518](#)]

Effects of vocal fold lesions on particle deposition in a mouth-throat model: A numerical study.

Yu P, Xue C, Rosenthal J, Jiang JJ.

Auris Nasus Larynx. 2023 May 8:S0385-8146(23)00096-2. Epub ahead of print.

[PubMed ID: [37164816](#)]

Examining relationships between GRBAS ratings and acoustic, aerodynamic and patient-reported voice measures in adults with voice disorders.

Fujiki RB, Thibeault SL.

J Voice. 2023 May;37(3):390-397. Epub 2021 Mar 6.

[PubMed ID: [33750626](#)]

Optimizing aerodynamic vocal parameters by varying supraglottic pressure using "controlled supraglottic pressure phonation" in healthy subjects.

Silverman MA, Ebenhoeh A, Wu P, Jiang JJ.

J Voice. 2023 May 13:S0892-1997(23)00109-1. Epub ahead of print.

[PubMed ID: [37183164](#)]

Preclinical models of laryngeal papillomavirus infection: A scoping review.

King RE, Bilger A, Rademacher J, Lambert PF, Thibeault SL.

Laryngoscope. 2023 May 25. Epub ahead of print.

[PubMed ID: [37227124](#)]

Sublingual immunotherapy persistence and adherence in real-world settings: A systematic review.

Park M, Kapoor S, Yi J, Hura N, Lin SY.

Int Forum Allergy Rhinol. 2023 May;13(5):924-941. Epub 2022 Sep 21.

[PubMed ID: [36083179](#)]

The influence of voice training on vocal learner's objective acoustic voice components.

Wu P, Klein L, Rozema Z, Haderlein N, Cai J, Scholp A, Xu X, Jiang JJ, Zhuang P.

J Voice. 2023 May;37(3):355-361. Epub 2021 Feb 27.

[PubMed ID: [33653622](#)]

Therapy outcomes for teenage athletes with exercise-induced laryngeal obstruction.

Fujiki RB, Olson-Greb B, Braden M, Thibeault SL.

Am J Speech Lang Pathol. 2023 May 17:1-15. Epub ahead of print.

[PubMed ID: [37195781](#)]

Videostroboscopy versus high-speed videoendoscopy: Factors influencing ratings of laryngeal oscillation.

Fujiki RB, Croegaert-Koch CK, Thibeault SL.

J Speech Lang Hear Res. 2023 May 9;66(5):1496-1510. Epub 2023 Apr 11.

[PubMed ID: [37040690](#)]

PEDIATRIC SURGERY

Dollars and sense: The business of pediatric surgery.

Skarda DE, Danko ME, Glick RD, Guner YS, Le HD, Rich BS, Robertson DJ, Short SS, Weiss RG, Van Arendonk KJ, Raval MV; Delivery of Surgical Care Committee of the American Academy of Pediatrics Section on Surgery.

J Surg Res. 2023 May;285:220-228. Epub 2023 Jan 25.

PLASTIC SURGERY

Experimental models and practical simulators for supermicrosurgery: An updated systematic review and meta-analysis.

Escandón JM, Ciudad P, Poore SO, Mayer HF, Saha S, Morrison CS, Langstein HN, Manrique OJ. Plast Reconstr Surg. 2023 May 1;151(5):775e-803e. Epub 2022 Dec 20.

[PubMed ID: [36729403](#)]

Forty-year follow-up after great toe-to-thumb transfer: A literature review.

Shaffrey EC, Moura SP, Attaluri PK, Wirth PJ, Rao VK. J Hand Surg Glob Online. 2023 Mar 3;5(3):375-378.

[PubMed ID: [37323983](#)]

Gender-affirming vaginoplasty: A comparison of algorithms, surgical techniques and management practices across 17 high-volume centers in North America and Europe.

Coon D, Morrison SD, Morris MP, Keller P, Bluebond-Langner R, Bowers M, Brassard P, Buncamper ME, Dugi D 3rd, Ferrando C, Gast KM, McGinn C, Meltzer T, Monstrey S, Özer M, Poh M, Satterwhite T, Ting J, Zhao L, Kuzon WM, Schechter L.

Plast Reconstr Surg Glob Open. 2023 May 30;11(5):e5033.

[PubMed ID: [37255762](#)]

Insurance status predicts hand therapy adherence following flexor tendon repair: A retrospective cohort study.

McLaughlin MT, Moura SP, Edalatpour A, Seitz AJ, Michelotti BF.

Plast Reconstr Surg. 2023 May 16. Epub ahead of print.

[PubMed ID: [37189235](#)]

Pott puffy tumor is not a puffy tumor: The failure of eponyms in plastic and reconstructive surgery.

Shaffrey EC, Poore SO.

J Craniofac Surg. 2023 May 26. Epub ahead of print.

[PubMed ID: [37236620](#)]

Sushruta: The ultimate mentor-but what happened to his mentees?

Attaluri P, Shaffrey E, Zhang R, Bentz ML, Gosain AK.

Plast Reconstr Surg. 2023 May 1;151(5):895e-896e. Epub 2022 Dec 26.

[PubMed ID: [36728810](#)]

Vibration assisted volume optimization mammoplasty (VAVOM): An alternative approach for large-volume fat grafting to the breast.

Afifi AM, Seitz AJ, Albano NJ.

Plast Reconstr Surg. 2023 May 15. Epub ahead of print.

[PubMed ID: [37184478](#)]

SURGICAL ONCOLOGY

A combined DNA/RNA-based next-generation sequencing platform to improve the classification of pancreatic cysts and early detection of pancreatic cancer arising from pancreatic cysts.

Nikiforova MN, Wald AI, Spagnolo DM, Melan MA, Grupillo M, Lai YT, Brand RE, O'Broin-Lennon AM, McGrath K, Park WG, Pfau PR, Polanco PM, Kubiliun N, DeWitt J, Easler JJ, Dam A, Mok SR, Wallace MB, Kumbhari V, Boone BA, Marsh W, Thakkar S, Fairley KJ, Afghani E, Bhat Y, Ramrakhiani S, Nasr J, Skef W, Thiruvengadam NR, Khalid A, Fasanella K, Chennat J, Das R, Singh H, Sarkaria S, Slivka A, Gabbert C, Sawas T, Tielleman T, Vanderveldt HD, Tavakkoli A, Smith LM, Smith K, Bell PD, Hruban RH, Paniccia A, Zureikat A, Lee KK, Ongchin M, Zeh H, Minter R, He J, Nikiforov YE, Singhi AD.

Ann Surg. 2023 May 22. Epub ahead of print.

[PubMed ID: [37212422](#)]

Association of routine preoperative frailty assessment with 1-year postoperative mortality.

Varley PR, Buchanan D, Bilderback A, Wisniewski MK, Johanning J, Nelson JB, Johnson JT, Minnier T, Hall DE.

JAMA Surg. 2023 May 1;158(5):475-483.

[PubMed ID: [36811872](#)]

Interpreting the risk analysis index of frailty in the context of surgical oncology.

Estock JL, Schlegel C, Shinall MC, Varley P, Youk AO, Hoehn R, Hall DE.

J Surg Oncol. 2023 May;127(6):1062-1070. Epub 2023 Mar 7.

[PubMed ID: [36881022](#)]

Piperacillin-tazobactam compared with cefoxitin as antimicrobial prophylaxis for pancreatoduodenectomy: A randomized clinical trial.

D'Angelica MI, Ellis RJ, Liu JB, Brajcich BC, Gönen M, Thompson VM, Cohen ME, Seo SK, Zabor EC, Babicky ML, Bentrem DJ, Behrman SW, Bertens KA, Celinski SA, Chan CHF, Dillhoff M, Dixon MEB, Fernandez-Del Castillo C, Gholami S, House MG, Karanicolas PJ, Lavu H, Maithel SK, McAuliffe JC, Ott MJ, Reames BN, Sanford DE, Sarpel U, Scaife CL, Serrano PE, Smith T, Snyder RA, Talamonti MS, Weber SM, Yopp AC, Pitt HA, Ko CY.

JAMA. 2023 May 9;329(18):1579-1588.

[PubMed ID: [37078771](#)]

Readiness for implementation of novel digital health interventions for postoperative monitoring: a systematic review and clinical innovation network analysis.

McLean KA, Knight SR, Diehl TM, Varghese C, Ng N, Potter MA, Zafar SN, Bouamrane MM, Harrison EM.

Lancet Digit Health. 2023 May;5(5):e295-e315.

[PubMed ID: [37100544](#)]

Reexamining time from breast cancer diagnosis to primary breast surgery.

Wiener AA, Hanlon BM, Schumacher JR, Vande Walle KA, Wilke LG, Neuman HB.

JAMA Surg. 2023 May 1;158(5):485-492.

[PubMed ID: [36857045](#)]

Regarding: Predicting regional lymph node recurrence in the modern age of tumor-positive sentinel node melanoma.

Thompson JF, Hyngstrom J, Caracò C, Zager JS, Jahkola T, Bowles TL, Pennacchioli E, Hoekstra HJ, Moncrieff M, Ingvar C, van Akkooi A, Sabel MS, Levine EA, Henderson M, Dummer R, Rossi CR, Kane JM 3rd, Trocha S, Wright F, Byrd DR, Matter M, MacKenzie-Ross A, Kelley MC, Terheyden P, Huston TL, Wayne JD, Neuman H, Smithers BM, Desai D, Gershenwald JE, Schneebaum S, Gesierich A, Jacobs LK, Lewis JM, O'Donoghue C, Sardi A, McKinnon JG, Slingluff CL, Farma JM, Schultz E, Scheri RP, Vidal-Sicart S, Testori AAE, Scolyer RA, Elashoff DE, Cochran AJ, Faries MB.

Ann Surg Oncol. 2023 Jul;30(7):4359-4360. Epub 2023 May 6.

[PubMed ID: [37149545](#)]

The influence of anatomic stage and receptor status on first recurrence for breast cancer within 5 years (AFT-01).

Neuman HB, Schumacher JR, Edge SB, Ruddy KJ, Partridge AH, Yu M, Vanness DJ, Hanlon BM, Le-Rademacher JG, Yang DY, Havlena J, Strand CA, Greenberg CC.
Cancer. 2023 May 1;129(9):1351-1360. Epub 2023 Mar 6.
[PubMed ID: [36872873](#)]

TRANSPLANTATION

Critical interactions between race and the highly granular area deprivation index in liver transplant evaluation.

Strauss AT, Moughames E, Jackson JW, Malinsky D, Segev DL, Hamilton JP, Garonzik-Wang J, Gurakar A, Cameron A, Dean L, Klein E, Levin S, Purnell TS.
Clin Transplant. 2023 May;37(5):e14938. Epub 2023 Feb 27.
[PubMed ID: [36786505](#)]

Extracellular vesicle-associated GARP/TGF β :LAP mediates "infectious" allo-tolerance.

Burlingham WJ, Jankowska-Gan E, Fechner JH, Little CJ, Wang J, Hong S, Molla M, Sullivan JA, Foley DP.
Transplant Direct. 2023 May 24;9(6):e1475.
[PubMed ID: [37250483](#)]

In memory of Dr. Hans Sollinger.

McCune K, Odorico J, D'Alessandro A.
Clin Transplant. 2023 May 31:e15042. Epub ahead of print.
[PubMed ID: [37256784](#)]

Maribavir for the management of cytomegalovirus in adult transplant recipients: A review of the literature and practical considerations.

Kleiboeker HL, Descourrouez JL, Schulz LT, Mandelbrot DA, Odorico JS, Rice JP, Saddler CM, Smith JA, Jorgenson MR.
Ann Pharmacother. 2023 May;57(5):597-608. Epub 2022 Aug 24.
[PubMed ID: [36003036](#)]

VASCULAR SURGERY

Analysis of repair type and hypogastric artery antegrade perfusion and erectile function following repair of abdominal aortic aneurysms.

Bennett KM, Hurley L, Kyriakides TC, Matsumura JS; OVER Investigator Group.
Ann Vasc Surg. 2023 May 8:S0890-5096(23)00246-7. Epub ahead of print.
[PubMed ID: [37164171](#)]

Identifying patterns in preoperative communication about high-risk surgical intervention: A secondary analysis of a randomized clinical trial.

Stalter LN, Baggett ND, Hanlon BM, Buffington A, Kalbfell EL, Zelenski AB, Arnold RM, Clapp JT, Schwarze ML.
Med Decis Making. 2023 May;43(4):487-497. Epub 2023 Apr 10.
[PubMed ID: [37036062](#)]

Outcomes of a single-center experience in eliminating routine postoperative duplex ultrasound screening after endovenous ablation.

Woodhouse E, DiMusto P.

J Vasc Surg Venous Lymphat Disord. 2023 May;11(3):642-647. Epub 2023 Mar 17.

[PubMed ID: [36935080](#)]

Predicting the safety and effectiveness of inferior vena cava filters (PRESERVE): Outcomes at 12 months.

Johnson MS, Spies JB, Scott KT, Kato BS, Mu X, Rectenwald JE, White RA, Lewandowski RJ, Khaja MS, Zuckerman DA, Casciani T, Gillespie DL.

J Vasc Surg Venous Lymphat Disord. 2023 May;11(3):573-585.e6. Epub 2023 Feb 23.

[PubMed ID: [36872169](#)]

Single-cell RNA sequencing provides novel insights to pathologic pathways in abdominal aortic aneurysm.

Bontekoe J, Liu B.

Front Cardiovasc Med. 2023 May 23;10:1172080.

[PubMed ID: [37288252](#)]

OTHER

Discussion-based interprofessional education: A positive step toward promoting shared understanding between surgical residents and nurses.

Krecko LK, Stalter LN, Pavuluri Quamme SR, Steege LM, Zelenski AB, Greenberg CC, Jung S. J Interprof Care. 2023 May 10:1-16. Epub ahead of print.

[PubMed ID: [37161400](#)]
