



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

FEBRUARY 2023 PUBLICATIONS

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

CROSS-DIVISION COLLABORATIONS

Venous thromboembolism prophylaxis following colorectal surgery: A survey of American Society of Colon and Rectal Surgery (ASCRS) member surgeons.

Aiken TJ, King R, Russell MM, Regenbogen SE, Lawson E, Zafar SN.

J Thromb Thrombolysis. 2023 Feb;55(2):376-381. Epub 2022 Dec 1.

[PubMed ID: [36454476](#)]

ACUTE CARE AND REGIONAL GENERAL SURGERY

A tale of two analyses: Administrative vs primary review of nutrition support team performance.

Busch RA, Stone S, Kudsk KA.

Nutr Clin Pract. 2023 Feb;38(1):102-107. Epub 2022 May 2.

[PubMed ID: [35499296](#)]

Measuring the impact of simulation debriefing on the practices of interprofessional trauma teams using natural language processing.

Rosser AA, Qadadha YM, Thompson RJ, Jung HS, Jung S.

Am J Surg. 2023 Feb;225(2):394-399. Epub 2022 Oct 1.

[PubMed ID: [36207174](#)]

The invisible work of transfer centre nurses: A qualitative study of strategies to overcome communication challenges.

Saucke MC, Alagoz E, Arroyo N, Gutierrez-Meza DE, Fernandes-Taylor S, Ingraham AM.

J Adv Nurs. 2023 Feb 26. Epub ahead of print.

[PubMed ID: [36843245](#)]

COLORECTAL SURGERY

Anal cancer prevention through the topical use of single or dual PI3K/mTOR inhibitors.

Gunder LC, Moyer TH, Johnson HR, Auyeung AS, Levenson GE, Zhang W, Matkowskyj KA, Carchman EH.

J Surg Res. 2023 Feb;282:137-146. Epub 2022 Oct 20.

[PubMed ID: [36274448](#)]

ENDOCRINE SURGERY

Comparison of postoperative outcomes of laparoscopic vs open inguinal hernia repair.

Meier J, Stevens A, Berger M, Makris KI, Bramos A, Reisch J, Cullum CM, Lee SC, Sugg Skinner C, Zeh H, Brown CJ, Balentine CJ.

JAMA Surg. 2023 Feb 1;158(2):172-180.

[PubMed ID: [36542394](#)]

MINIMALLY INVASIVE SURGERY

Annals of Surgery Open Access: Where is the value, and what does the future hold?

Funk LM, Barr J, Johnston FM, Smith BK, Cooper Z, Pugh C, Dimick JB, Clavien PA, Read TE, Wong SL.

Ann Surg. 2023 Feb 1;277(2):e249-e251. Epub 2022 Oct 12.

[PubMed ID: [36218310](#)]

Development and initial validation of a systemic lupus erythematosus-specific measure of the extent of and reasons for medication nonadherence.

Sun K, Coles TM, Voils CI, Anderson DR, Eudy AM, Sadun RE, Rogers JL, Criscione-Schreiber LG, Doss J, Maheswaranathan M, Clowse MEB.

J Rheumatol. 2023 Feb;50(2):296. Erratum for: J Rheumatol. 2022 Dec;49(12):1341-1348.

[PubMed ID: [36724934](#)]

Gender differences in social support for diabetes self-management: A qualitative study among veterans.

Gray KE, Silvestrini M, Ma EW, Nelson KM, Bastian LA, Voils CI.

Patient Educ Couns. 2023 Feb;107:107578. Epub 2022 Nov 23.

[PubMed ID: [36463824](#)]

Multi-society consensus conference and guideline on the treatment of gastroesophageal reflux disease (GERD).

Slater BJ, Collings A, Dirks R, Gould JC, Qureshi AP, Juza R, Rodríguez-Luna MR, Wunker C, Kohn GP, Kothari S, Carlson E, Worrell S, Abou-Setta AM, Ansari MT, Athanasiadis DI, Daly S, Dimou F, Haskins IN, Hong J, Krishnan K, Lidor A, Little V, Low D, Petrick A, Soriano IS, Thosani N, Tyberg A, Velanovich V, Vilallonga R, Marks JM.

Surg Endosc. 2023 Feb;37(2):781-806. Epub 2022 Dec 18.

[PubMed ID: [36529851](#)]

Provider-supported self-management cognitive behavioral therapy for insomnia (Tele-Self CBTi): Protocol for a randomized controlled trial.

Ulmer CS, Bosworth HB, Zervakis J, Goodwin K, Gentry P, Rose C, Jeffreys AS, Olsen MK, Weidenbacher HJ, Beckham JC, Voils CI.

Contemp Clin Trials. 2023 Feb;125:107060. Epub 2022 Dec 22.

[PubMed ID: [36567058](#)]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

Changes in ultrasonic vocalizations after unilateral cerebral ischemia in a rat stroke model.

Cullins MJ, Lenell C, Ciucci MR, Connor NP.

Behav Brain Res. 2023 Feb 15;439:114252. Epub 2022 Dec 8.

[PubMed ID: [36496078](#)]

Effects of social isolation on 50-kHz ultrasonic vocalizations, affective state, cognition, and neurotransmitter concentrations in the ventral tegmental and locus coeruleus of adult rats.

Broadfoot CK, Lenell C, Kelm-Nelson CA, Ciucci MR.

Behav Brain Res. 2023 Feb 2;437:114157. Epub 2022 Oct 12.

[PubMed ID: [36241070](#)]

Long-term follow-up of 64 patients with idiopathic subglottic stenosis: Treatment pathways, outcomes, and impact of serial intralesional steroid injections.

Schoeff S, Hoffman MR, Zhang Y, Yang Q, Dailey SH.

Ann Otol Rhinol Laryngol. 2023 Feb 24:34894231156122. Epub ahead of print.

[PubMed ID: [36840325](#)]

Questions about study selection, data extraction, and synthesis in the meta-analysis comparing total thyroidectomy vs hemithyroidectomy for treatment of papillary thyroid microcarcinoma-Reply.

Hsiao V, Fernandes-Taylor S, Francis DO.

JAMA Otolaryngol Head Neck Surg. 2023 Feb 1;149(2):186-188.

[PubMed ID: [36547949](#)]

PEDIATRIC SURGERY

Hemodilution in pediatric trauma: Defining the expected hemoglobin changes in patients with liver and/or spleen injury: An ATOMAC+ secondary analysis.

Stottlemire RL, Notrica DM, Cohen AS, Sayrs LW, Naiditch J, St Peter SD, Leys CM, Ostlie DJ, Maxson RT, Ponsky T, Eubanks JW 3rd, Bhatia A, Greenwell C, Lawson KA, Alder AC, Johnson J, Garvey E.

J Pediatr Surg. 2023 Feb;58(2):325-329. Epub 2022 Oct 23.

[PubMed ID: [36428184](#)]

The current pediatric surgery job market: A perspective of recent fellowship graduates.

Raymond SL, Robertson JO, Sacks MA, Goodman LF, Lobeck I, Johnson K, Radulescu A, Moores D, Hashmi A, Islam S, Stolar CJ, Tagge EP, Khan FA.

J Pediatr Surg. 2023 Feb 18:S0022-3468(23)00132-X. Epub ahead of print.

[PubMed ID: [36914464](#)]

PLASTIC SURGERY

Making headway in surgical education at home and abroad: Use of an inexpensive, 3-D learning model to improve plastic surgery resident confidence in Mohs defect assessment and closure planning.

Shaffrey EC, Grotting AG, Michelotti BF, Siebert JW, Larson JD, Bentz ML.
Plast Reconstr Surg. 2023 Feb 15. Epub ahead of print.
[PubMed ID: [36790792](#)]

Quality improvement study on the effectiveness of intranasal povidone-iodine decolonization on surgery patients.

Hammond EN, Kates AE, Putman-Buehler N, Watson L, Godfrey JJ, Riley CN, Dixon J, Brys N, Haleem A, Bentz ML, Safdar N.
Infect Prev Pract. 2023 Feb 18;5(2):100274.
[PubMed ID: [36915470](#)]

The anatomy of a malpractice lawsuit.

Attaluri PK, Wirth PJ, Moura SP, Shaffrey EC, Rao VK.
Aesthet Surg J Open Forum. 2023 Feb 1;5:ojad008.
[PubMed ID: [36844458](#)]

The implications of the Emergency Medical Treatment and Labor Act and the No Surprises Act for plastic and reconstructive surgeons.

Seitz AJ, Nicksic PJ, Rao VK.
Plast Reconstr Surg. 2023 Feb 1;151(2):443-449. Epub 2022 Nov 15.
[PubMed ID: [36696334](#)]

SURGICAL ONCOLOGY

Aryl hydrocarbon receptor knockout accelerates PanIN formation and fibro-inflammation in a mutant *Kras* -driven pancreatic cancer model.

Walcheck MT, Schwartz PB, Carrillo ND, Matkowsky KA, Nukaya M, Bradfield CA, Ronnekleiv-Kelly SM.
bioRxiv [Preprint]. 2023 Feb 3:2023.02.01.526625.
[PubMed ID: [36778364](#)]

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 Feb 22:e228341. Epub ahead of print.
[PubMed ID: [36811872](#)]

Changing landscape of breast cancer management.

Seydel AS, Wilke LG.
Surg Clin North Am. 2023 Feb;103(1):xv-xvi. Epub 2022 Oct 17.
[PubMed ID: [36410358](#)]

Follow-up and cancer survivorship.

Neuman HB, Schumacher JR.
Surg Clin North Am. 2023 Feb;103(1):169-185. Epub 2022 Oct 18.
[PubMed ID: [36410348](#)]

Genomic profiling and liquid biopsies for breast cancer.

Marcinak CT, Murtaza M, Wilke LG.
Surg Clin North Am. 2023 Feb;103(1):49-61. Epub 2022 Oct 17.
[PubMed ID: [36410353](#)]

Higher numbers of examined lymph nodes are associated with increased survival in resected, treatment-naïve, node-positive esophageal, gastric, pancreatic, and colon cancers.

Ghukasyan R, Banerjee S, Childers C, Labora A, McClintick D, Girgis M, Varley P, Dann A, Donahue T. J Gastrointest Surg. 2023 Feb 28. Epub ahead of print.
[PubMed ID: [36854990](#)]

Is routine omentectomy a necessary component of cytoreductive surgery and HIPEC?

Khan S, Doan NH, Hosseini M, Kelly K, Veerapong J, Lowy AM, Baumgartner J. Ann Surg Oncol. 2023 Feb;30(2):768-773. Epub 2022 Oct 28.
[PubMed ID: [36305990](#)]

TRANSPLANTATION

Antibody-mediated rejection without detectable donor-specific antibody releases donor-derived cell-free DNA: Results from the Trifecta Study.

Halloran PF, Reeve J, Madill-Thomsen KS, Demko Z, Prewett A, Gauthier P, Billings P, Lawrence C, Lowe D, Hidalgo LG; the Trifecta Investigators. Transplantation. 2023 Mar 1;107(3):709-719. Epub 2023 Feb 21. Erratum in: Transplantation. 2023 Jan 1;107(1):e43.
[PubMed ID: [36190186](#)]

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 Feb 14:e14938. Epub ahead of print.
[PubMed ID: [36786505](#)]

Generation of anti-GD2 CAR macrophages from human pluripotent stem cells for cancer immunotherapies.

Zhang J, Webster S, Duffin B, Bernstein MN, Steill J, Swanson S, Forsberg MH, Bolin J, Brown ME, Majumder A, Capitini CM, Stewart R, Thomson JA, Slukvin II. Stem Cell Reports. 2023 Feb 14;18(2):585-596. Epub 2023 Jan 12.
[PubMed ID: [36638788](#)]

Impact of seasonal coronavirus antibodies on severe acute respiratory syndrome coronavirus 2 vaccine responses in solid organ transplant recipients.

Karaba AH, Zhou W, Li S, Aytenfisu TY, Johnston TS, Akinde O, Eby Y, Abedon AT, Alejo JL, Qin CX, Thompson EA, Garonzik-Wang JM, Blankson JN, Cox AL, Bailey JR, Klein SL, Pekosz A, Segev DL, Tobian AAR, Werbel WA. Clin Infect Dis. 2023 Feb 8;76(3):e495-e498.
[PubMed ID: [35959783](#)]

Validating expression of beta cell maturation-associated genes in human pancreas development.

Tremmel DM, Mikat AE, Gupta S, Mitchell SA, Curran AM, Menadue JA, Odorico JS, Sackett SD. Front Cell Dev Biol. 2023 Feb 1;11:1103719.
[PubMed ID: [36846594](#)]

VASCULAR SURGERY

Optimizing the diagnostic approach of functional popliteal artery entrapment syndrome.

Morgan C, Huang A, Turnipseed W.

J Vasc Surg. 2023 Feb;77(2):580-587.e1. Epub 2022 Aug 12.

[PubMed ID: [35970305](#)]

Postgraduate surgical education in East, Central, and Southern Africa: A needs assessment survey.

Elmaraghi S, Min Park K, Rashidian N, Yap A, Faktor K, Ozgediz D, Borgstein E, Bekele A, Alseidi A, Tefera G.

J Am Coll Surg. 2023 Feb 1;236(2):429-435. Epub 2022 Oct 11.

[PubMed ID: [36218266](#)]

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 Interv Radiol. 2023 Feb 21:S1051-0443(22)01406-3. Epub ahead of print.

[PubMed ID: [36841633](#)]

Promoting prognostic understanding and health equity for patients with advanced liver disease: Using "Best Case/Worst Case".

Ufere NN, El-Jawahri A, Ritchie C, Lai JC, Schwarze ML.

Gastroenterology. 2023 Feb;164(2):171-176.

[PubMed ID: [36702571](#)]

Study protocol of a randomized controlled trial of fistula vs. graft arteriovenous vascular access in older adults with end-stage kidney disease on hemodialysis: The AV access trial.

Murea M, Gardezi AI, Goldman MP, Hicks CW, Lee T, Middleton JP, Shingarev R, Vachharajani TJ, Woo K, Abdelnour LM, Bennett KM, Geetha D, Kirksey L, Southerland KW, Young CJ, Brown WM, Bahnson J, Chen H, Allon M.

BMC Nephrol. 2023 Feb 24;24(1):43.

[PubMed ID: [36829135](#)]
