



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

MARCH 2023 PUBLICATIONS

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

CROSS-DIVISION COLLABORATIONS

Experiential learning of interdisciplinary care skills in surgery assessed from student reflections.

Buzzard L, Stepp D, Elfenbein D, O'Rourke AP.
J Surg Res. 2023 Mar;283:783-792. Epub 2022 Dec 5.
[PubMed ID: [36470204](#)]

Measuring success in headache surgery: A comparison of different outcomes measures.

Albano NJ, Israel JS, Carbullido MK, Stilp EK, Leverson G, Voils CI, Afifi AM.
Plast Reconstr Surg. 2023 Mar 1;151(3):469e-476e. Epub 2022 Nov 29.
[PubMed ID: [36730226](#)]

ACUTE CARE AND REGIONAL GENERAL SURGERY

Admission thromboelastography at the intersection of traumatic coagulopathy and inflammation: A pragmatic, randomized optimal platelet and plasma ratios (PROPPR) study sub-analysis.

Savage SA, Zarzaur BL, Fox EE, Wade CE, Carney PR, Do TV, Holcomb JB.
J Am Coll Surg. 2023 Mar 15. Epub ahead of print.
[PubMed ID: [36919936](#)]

Bowel preparation before nonelective sigmoidectomy for sigmoid volvulus: Highly beneficial but vastly underused.

Schudrowitz N, Shahan CP, Moss T, Scarborough JE.
J Am Coll Surg. 2023 Apr 1;236(4):649-655. Epub 2023 Mar 15.
[PubMed ID: [36695556](#)]

Burn resuscitation practices in North America: Results of the Acute Burn Resuscitation Multicenter Prospective Trial (ABRUPT).

Greenhalgh DG, Cartotto R, Taylor SL, Fine JR, Lewis GM, Smith DJ Jr, Marano MA, Gibson A, Wibbenmeyer LA, Holmes JH, Rizzo JA, Foster KN, Khandelwal A, Fischer S, Hemmila MR, Hill D, Aballay AM, Tredget EE, Gorman J, Phelan H, Jimenez CJ, Baldea A, Sood R.

Ann Surg. 2023 Mar 1;277(3):512-519. Epub 2021 Aug 19.
[PubMed ID: [34417368](#)]

Empiric tranexamic acid use provides no benefit in urgent orthopedic surgery following injury.
Carr B, Li SW, Hill JG, Feizpour C, Zarzaur BL, Savage S.
Trauma Surg Acute Care Open. 2023 Mar 10;8(1):e001054.
[PubMed ID: [36919025](#)]

Measuring long-term outcomes after injury: Current issues and future directions.
Salim A, Stein DM, Zarzaur BL, Livingston DH.
Trauma Surg Acute Care Open. 2023 Mar 10;8(1):e001068.
[PubMed ID: [36919026](#)]

Screening and intervention for intimate partner violence at trauma centers and emergency departments: An evidence-based systematic review from the Eastern Association for the Surgery of Trauma.
Teichman AL, Bonne S, Rattan R, Dultz L, Qurashi FA, Goldenberg A, Polite N, Liveris A, Freeman JJ, Colosimo C, Chang E, Choron RL, Edwards C, Arabian S, Haines KL, Joseph D, Murphy PB, Schramm AT, Jung HS, Lawson E, Fox K, Mashbari HNA, Smith RN.
Trauma Surg Acute Care Open. 2023 Mar 16;8(1):e001041.
[PubMed ID: [36967863](#)]

Surgical trainee perspectives on the opioid crisis: The influence of explicit and hidden curricula.
Bleicher J, Johnson JE, Cain BT, Shaw RD, Acher AA, Gleason L, Barth RJ, Chu DI, Jung S, Melnick D, Kaphingst KA, Smith BK, Huang LC.
J Surg Educ. 2023 Mar 6:S1931-7204(23)00067-3. Epub ahead of print.
[PubMed ID: [36890045](#)]

CARDIOTHORACIC SURGERY

One hundred cases of primary spontaneous pneumomediastinum: Leukocytosis is common, pleural effusions and age over 40 are rare.
Morgan CT, Kanne JP, Lewis EE, Maloney JD, DeCamp MM, McCarthy DP.
J Thorac Dis. 2023 Mar 31;15(3):1155-1162. Epub 2023 Mar 2.
[PubMed ID: [37065555](#)]

COLORECTAL SURGERY

Duration of time CD4/CD8 ratio is below 0.5 is associated with progression to anal cancer in patients with HIV and high-grade dysplasia.
Karim A, Freeman MJ, Yang Q, Levenson G, Cherney-Stafford L, Striker R, Sanger CB.
Ann Surg Oncol. 2023 Mar 4. Epub ahead of print.
[PubMed ID: [36869915](#)]

The use of the protease inhibitor, saquinavir, to treat anal cancer spheroids derived from human papillomavirus transgenic mice.
Johnson HR, Gunder LC, Levenson GE, Carchman EH.
Dis Colon Rectum. 2023 Mar 1;66(3):360-365. Epub 2023 Jan 4.
[PubMed ID: [36599112](#)]

Treating acute diverticulitis in pre- and post-solid-organ transplant patients: A single-institution cohort study.

Klos CL, Bath NM, Carchman E, Levenson G, Lawson E, Sanger CB, King R, Heise C.
Colorectal Dis. 2023 Mar 21. Epub ahead of print.
[PubMed ID: [36945080](#)]

MINIMALLY INVASIVE SURGERY

Commentary on the Multi-society Consensus Conference and Guideline on the Treatment of Gastroesophageal Reflux Disease (GERD).

Dimou FM, Lidor A, Velanovich V.
J Gastrointest Surg. 2023 Mar;27(3):650-652. Epub 2023 Jan 31.
[PubMed ID: [36720755](#)]

Frontline perspectives of C. difficile infection prevention practice implementation within Veterans Affairs healthcare facilities: A qualitative study.

Parmasad V, Keating J, McKinley L, Evans C, Rubin M, Voils C, Safdar N.
Am J Infect Control. 2023 Mar 26:S0196-6553(23)00131-1. Epub ahead of print.
[PubMed ID: [36977453](#)]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

Efficacy of cochlear implantation in neurofibromatosis type 2 related hearing loss.

Sobczak G, Marchant W, Misurelli S, Pyle GM, Gubbels S, Roche J.
Ann Otol Rhinol Laryngol. 2023 Mar;132(3):284-293. Epub 2022 Apr 21.
[PubMed ID: [35450430](#)]

International consensus statement on allergy and rhinology: Allergic rhinitis - 2023.

Wise SK, Damask C, Roland LT, Ebert C, Levy JM, Lin S, Luong A, Rodriguez K, Sedaghat AR, Toskala E, Villwock J, Abdullah B, Akdis C, Alt JA, Ansotegui IJ, Azar A, Baroody F, Benninger MS, Bernstein J, Brook C, Campbell R, Casale T, Chaaban M, Chew FT, Chambliss J, Cianferoni A, Custovic A, Davis EM, DelGaudio JM, Ellis AK, Flanagan C, Fokkens WJ, Franzese C, Greenhawt M, Gill A, Halderman A, Hohlfeld JM, Incorvaia C, Joe SA, Joshi S, Kuruvilla ME, Kim J, Klein AM, Krouse HJ, Kuan EC, Lang D, Larenas-Linnemann D, Laury AM, Lechner M, Lee SE, Lee VS, Loftus P, Marcus S, Marzouk H, Mattos J, McCoul E, Melen E, Mims JW, Mullol J, Nayak JV, Oppenheimer J, Orlandi RR, Phillips K, Platt M, Ramanathan M Jr, Raymond M, Rhee CS, Reitsma S, Ryan M, Sastre J, Schlosser RJ, Schuman TA, Shaker MS, Sheikh A, Smith KA, Soyka MB, Takashima M, Tang M, Tantilipikorn P, Taw MB, Tversky J, Tyler MA, Veling MC, Wallace D, Wang Y, White A, Zhang L.
Int Forum Allergy Rhinol. 2023 Apr;13(4):293-859. Epub 2023 Mar 6.
[PubMed ID: [36878860](#)]

New directions for improving the minimal clinically important difference in patient-reported outcome measures for use in clinical care and research.

Fernandes-Taylor S, Zhao J, Francis DO.
JAMA Otolaryngol Head Neck Surg. 2023 Mar 1;149(3):276-277.
[PubMed ID: [36729483](#)]

Pink1^{-/-} rats demonstrate swallowing and gastrointestinal dysfunction in a model of prodromal Parkinson disease.

Krasko MN, Szot J, Lungova K, Rowe LM, Levenson G, Kelm-Nelson CA, Ciucci MR.

Dysphagia. 2023 Mar 22. Epub ahead of print.
[PubMed ID: [36949296](#)]

Relationship between auditory-perceptual and objective measures of resonance in children with cleft palate: Effects of intelligibility and dysphonia.

Fujiki RB, Kostas G, Thibeault SL.

Cleft Palate Craniofac J. 2023 Mar 8;10556656231162238. Epub ahead of print.

[PubMed ID: [36890706](#)]

Systematic review of real-world persistence and adherence in subcutaneous allergen immunotherapy.

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

Int Forum Allergy Rhinol. 2023 Mar;13(3):255-264. Epub 2022 Oct 13.

[PubMed ID: [36083799](#)]

To explore the changes and differences of microstructure of vocal fold in vocal fold paralysis and cricoarytenoid joint dislocation by diffusion tensor imaging.

Cai J, Kim YJ, Xu X, Ma Y, Scholp A, Jiang JJ, Liu T, Zhuang P.

J Voice. 2023 Mar;37(2):187-193. Epub 2020 Dec 31.

[PubMed ID: [33388227](#)]

PEDIATRIC SURGERY

A multi-institutional study evaluating pediatric burn injuries during the COVID-19 pandemic.

Georgeades CM, Collings AT, Farazi M, Fallat ME, Minneci PC, Sato TT, Speck KE, Van Arendonk K, Deans KJ, Falcone RA, Foley DS, Fraser J, Gadepalli S, Keller MS, Kotagal M, Landman MP, Leys CM, Markel TA, Rubalcava N, St Peter SD, Flynn-O'Brien KT.

J Burn Care Res. 2023 Mar 2;44(2):399-407.

[PubMed ID: [35985296](#)]

Complication is inevitable, but suffering is optional - Psychological aspects of dealing with complications in surgery.

Le HD, Wolinska JM, Baertschiger RM, Himidan SA.

Eur J Pediatr Surg. 2023 Mar 22. Epub ahead of print.

[PubMed ID: [36948212](#)]

Distribution of acute appendicitis care in children: A statewide assessment of the surgeons and facilities providing surgical care.

Georgeades C, Farazi MR, Gainer H, Flynn-O'Brien KT, Leys CM, Gourlay D, Van Arendonk KJ.

Surgery. 2023 Mar;173(3):765-773. Epub 2022 Oct 14.

[PubMed ID: [36244816](#)]

Evaluating the regional differences in pediatric injury patterns during the COVID-19 pandemic.

Collings AT, Farazi M, Van Arendonk KJ, Fallat ME, Minneci PC, Sato TT, Speck KE, Gadepalli S, Deans KJ, Falcone RA Jr, Foley DS, Fraser JD, Keller MS, Kotagal M, Landman MP, Leys CM, Markel T, Rubalcava N, St Peter SD, Flynn-O'Brien KT; Midwest Pediatric Surgery Consortium.

J Surg Res. 2023 Mar 23;289:61-68. Epub ahead of print.

[PubMed ID: [37086597](#)]

PLASTIC SURGERY

Offering no-cost cosmetic revisions: The experience of an academic cosmetic surgery program.

Moura SP, Wirth PJ, Shaffrey EC, Attaluri PK, Rao VK.

Aesthet Surg J Open Forum. 2023 Mar 29;5:ojad033.

[PubMed ID: [37082332](#)]

Out-of-scope cosmetic surgery: A review of malpractice lawsuits against nonplastic surgeons.

Moura SP, Shaffrey EC, Lam CS, Wirth PJ, Attaluri PK, Rao VK.

Plast Reconstr Surg Glob Open. 2023 Mar 10;11(3):e4873.

[PubMed ID: [36910731](#)]

Risk factors for acute postoperative complications following operative management of Le Fort fractures - A NSQIP Study.

Wood Matabele KL, Seitz AJ, Doan TC, Poore SO.

J Craniofac Surg. 2023 Mar 30. Epub ahead of print.

[PubMed ID: [36991535](#)]

The price is right? An economic analysis of factors influencing cosmetic surgery prices.

Shaffrey EC, Wirth PJ, Moura SP, Attaluri PK, Rao VK.

Aesthet Surg J. 2023 Mar 22:sjad072. Epub ahead of print.

[PubMed ID: [36947151](#)]

USMLE step 1 pass/fail is here: Are plastic surgery applicants really better off?

Girard AO, Khoo KH, Lopez CD, Lake IV, Qiu C, Bentz ML, Taub PJ, Yang R.

J Surg Educ. 2023 Mar;80(3):448-456. Epub 2022 Nov 30.

[PubMed ID: [36463007](#)]

SURGICAL ONCOLOGY

Chronic jetlag accelerates pancreatic neoplasia in conditional *Kras*-mutant mice.

Schwartz PB, Walcheck MT, Nukaya M, Pavelec DM, Matkowskyj KA, Ronnekleiv-Kelly SM.

Chronobiol Int. 2023 Mar 13:1-21. Epub ahead of print.

[PubMed ID: [36912021](#)]

Conditional survival following cytoreductive surgery with hyperthermic intraperitoneal chemotherapy for peritoneal surface malignancies: An analysis from the US HIPEC Collaborative.

Beal EW, Srinivas S, Shen C, Kim A, Johnston FM, Greer J, Abbott DE, Pokrzywa C, Raoof M, Grotz TE, Leiting JL, Fournier K, Dineen S, Powers B, Veerapong J, Kothari A, Maduekew U, Maithel S, Wilson GC, Patel SH, Lambert L, Abdel-Misih S, Cloyd JM.

Ann Surg Oncol. 2023 Mar;30(3):1840-1849. Epub 2022 Oct 30.

[PubMed ID: [36310315](#)]

Factors associated with socioeconomic disparities in breast reconstruction: Perspectives of Wisconsin surgeons.

Stankowski TJ, Alagoz E, Jacobson N, Neuman HB.

Clin Breast Cancer. 2023 Mar 28:S1526-8209(23)00079-4. Epub ahead of print.

[PubMed ID: [37069035](#)]

Impact of adjuvant therapy on outcomes after curative-intent resection for distal cholangiocarcinoma.

Hou JJ, Maithel SK, Weber SM, Poultides G, Wolfgang CL, Fields RC, He J, Scoggins C, Idrees K, Shen P, Zhang XF, Pawlik TM.

J Surg Oncol. 2023 Mar;127(4):607-615. Epub 2022 Nov 17.

[PubMed ID: [36394450](#)]

Incidence of radiation-associated sarcoma after breast-conserving surgery plus radiation.

Wiener AA, Schumacher JR, Hanlon B, Anderson B, Neuman HB.

J Surg Oncol. 2023 Mar;127(4):535-540. Epub 2022 Dec 7.

[PubMed ID: [36477419](#)]

Influence of insurance status on the postoperative outcomes of cytoreductive surgery and HIPEC.

Kubi B, Nudotor R, Fackche N, Rowe J, Cloyd JM, Ahmed A, Grotz TE, Fournier K, Dineen S, Veerapong J, Baumgartner JM, Clarke C, Patel SH, Dhar V, Lambert L, Abbott DE, Pokrzywa C, Raoof M, Lee B, Zaidi MY, Maithel SK, Johnston FM, Greer JB.

J Surg Oncol. 2023 Mar;127(4):706-715. Epub 2022 Dec 5.

[PubMed ID: [36468401](#)]

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](#)]

Multi-omic characterization reveals a distinct molecular landscape in young-onset pancreatic cancer.

Ogobuiro I, Baca Y, Ribeiro JR, Walker P, Wilson GC, Gulhati P, Marshall JL, Shroff RT, Spetzler D, Oberley MJ, Abbott DE, Kim HJ, Kooby DA, Maithel SK, Ahmad SA, Merchant NB, Xiu J, Hosein PJ, Datta J.

medRxiv [Preprint]. 2023 Mar 29:2023.03.28.23287894.

[PubMed ID: [37034762](#)]

Peritoneal recurrence after resection for Stage I-III colorectal cancer: A population analysis.

Aiken T, Hu CY, Uppal A, Francescatti AB, Fournier KF, Chang GJ, Zafar SN.

J Surg Oncol. 2023 Mar;127(4):678-687. Epub 2022 Dec 15.

[PubMed ID: [36519668](#)]

Racial disparity in pathologic response following neoadjuvant chemotherapy in resected pancreatic cancer: A multi-institutional analysis from the Central Pancreatic Consortium.

Ogobuiro I, Collier AL, Khan K, de Castro Silva I, Kwon D, Wilson GC, Schwartz PB, Parikh AA, Hammill C, Kim HJ, Kooby DA, Abbott D, Maithel SK, Snyder RA, Ahmad SA, Merchant NB, Datta J.

Ann Surg Oncol. 2023 Mar;30(3):1485-1494. Epub 2022 Oct 31.

[PubMed ID: [36316508](#)]

Racial-ethnic variations in phyllodes tumors among a multicenter United States cohort.

Nash AL, Thomas SM, Nimbkar SN, Hieken TJ, Ludwig KK, Jacobs LK, Miller ME, Gallagher KK, Wong J, Neuman HB, Tseng J, Hassinger TE, King TA, Hwang ES, Jakub JW, Rosenberger LH.

J Surg Oncol. 2023 Mar;127(3):369-373. Epub 2022 Oct 7.

[PubMed ID: [36206024](#)]

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 Mar 1:e228388. Epub ahead of print.

[PubMed ID: [36857045](#)]

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

An initial analysis of the baseline levels of Dd-cfDNA after pancreas transplantation: A prospective study from high-volume centers in the United States.

Yoo A, Riedel A, Qian I, Bartosic A, Soltani R, Kibria G, Haririan A, Drachenberg CB, Abrams PL, Odorico JS, Cooper M, Bromberg JS, Scalea JR.

Transplant Direct. 2023 Mar 15;9(4):e1459.

[PubMed ID: [36935870](#)]

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](#)]

Financial, policy, and ethical barriers to the expansion of living donor liver transplant: Meeting report from a living donor liver transplant consensus conference.

Pillai A, Verna EC, Parikh ND, Cooper M, Thiessen C, Heimbach J, Gordon EJ, Sapisochin G, Selzner N, Mathur A, Perito ER, Jesse M, Liapakis A, Kumar V; AST LDLT Consensus Conference Working Group.

Clin Transplant. 2023 Mar 7:e14955. Epub ahead of print.

[PubMed ID: [36880375](#)]

In vivo Cav3 channel inhibition promotes maturation of glucose-dependent Ca²⁺ signaling in human iPSC-islets.

Zhao K, Shi Y, Yu J, Yu L, Köhler M, Mael A, Kolton A, Joyce T, Odorico J, Berggren PO, Yang SN. Biomedicines. 2023 Mar 7;11(3):807.

[PubMed ID: [36979793](#)]

Living donor liver transplant candidate and donor selection and engagement: Meeting report from the living donor liver transplant consensus conference.

Jesse MT, Jackson WE, Liapakis A, Ganesh S, Humar A, Goldaracena N, Levitsky J, Mulligan D, Pomfret EA, Ladner DP, Roberts JP, Mavis A, Thiessen C, Trotter J, Winder GS, Griesemer AD, Pillai A, Kumar V, Verna EC, LaPointe Rudow D, Han HH; AST LDLT Consensus Conference Working Group.

Clin Transplant. 2023 Mar 9:e14954. Epub ahead of print.

[PubMed ID: [36892182](#)]

Local graft irradiation for acute, medication refractory transplant rejection of a pancreas alone graft: A case report.

Morris BA, Alfson A, Davies G, Kaufman D, Bradley KA.

Adv Radiat Oncol. 2022 Dec 30;8(2):101168.
[PubMed ID: [36704191](#)]

Master protocol to assess the long-term safety in kidney transplant recipients who previously received Medeor's cellular immunotherapy products: The MDR-105-SAE.

Kant S, Kaufman DB, Micsa L, Brennan DC.
Trials. 2023 Mar 11;24(1):178.
[PubMed ID: [36899436](#)]

Quantifying the immune response to a tissue-engineered porcine extracellular matrix.

El-Andari R, Bozso SJ, Jh Kang J, Fialka NM, Al-Adra D, Meyer SR, Moon MC, Freed DH, Nagendran J, Nagendran J.
Regen Med. 2023 Mar;18(3):229-237. Epub 2023 Jan 24.
[PubMed ID: [36691822](#)]

The John S. Najarian symposium: The past, present, and future of surgery and transplantation, May 20, 2022, Minneapolis, MN.

Knatterud ME, Simmons RL, Payne W, Stock P, Chavers B, Ascher N, Kaufman D, Kirk A, Keshavjee S, Humar A, Ganesh S, Hughes C, Kandaswamy R, Matas AJ.
Clin Transplant. 2023 Mar;37(3):e14877.
[PubMed ID: [36528870](#)]

VASCULAR SURGERY

Excess mortality for abdominal aortic aneurysms and the potential of strict implementation of cardiovascular risk management: A multifaceted study integrating meta-analysis, national registry, and PHAST and TEDY trial data.

Tomee SM, Bulder RMA, Meijer CA, van Berkum I, Hinnen JW, Schoones JW, Gollledge J, Bastiaannet E, Matsumura JS, Hamming JF, Hultgren R, Lindeman JH.
Eur J Vasc Endovasc Surg. 2023 Mar;65(3):348-357. Epub 2022 Nov 29.
[PubMed ID: [36460276](#)]

Factors associated with provision of nonbeneficial surgery: A national survey of surgeons.

Zaza SI, Zimmermann CJ, Taylor LJ, Kalbfell EL, Stalter L, Brasel K, Arnold RM, Cooper Z, Schwarze ML.
Ann Surg. 2023 Mar 1;277(3):405-411. Epub 2022 Nov 24.
[PubMed ID: [36538626](#)]

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](#)]
