



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

JUNE 2023 PUBLICATIONS

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

CROSS-DIVISION COLLABORATIONS

Indications, resource allocation and outcomes associated with EXIT procedures - A North American Fetal Therapy Network (NAFTNet) survey.

Joshi D, Stellon M, Antony K, Beninati M, Luks FI, Puricelli M, Lobeck IN.

Fetal Diagn Ther. 2023 Jun 20. Epub ahead of print.

[PubMed ID: [37339615](#)]

ACUTE CARE AND REGIONAL GENERAL SURGERY

American Association for the Surgery of Trauma/American College of Surgeons Committee on Trauma clinical protocol for management of acute respiratory distress syndrome and severe hypoxemia.

Fawley J, Tignanelli CJ, Werner N, Kasotakis G, Mandell SP, Glass NE, Dries DJ, Costantini TW, Napolitano LM.

J Trauma Acute Care Surg. 2023 Jun 12. Epub ahead of print.

[PubMed ID: [37314843](#)]

Establishing a core outcome set for blunt cerebrovascular injury: An EAST modified Delphi method consensus study.

Ziesmann M, Byerly S, Yeh DD, Boltz M, Gelbard R, Haut ER, Smith JW, Stein DM, Zarzaur BL, Bensard DD, Biffl WL, Boyd A, Brommeland T, Cothren Burlew C, Fabian T, Lauerman M, Leichtle S, Moore EE, Timmons S, Vogt K, Nahmias J.

Trauma Surg Acute Care Open. 2023 Jun 15;8(1):e001017.

[PubMed ID: [37342820](#)]

Establishing a core outcomes set for massive transfusion: An Eastern Association for the Surgery of Trauma modified Delphi method consensus study.

Gelbard RB, Nahmias J, Byerly S, Ziesmann M, Stein D, Haut ER, Smith JW, Boltz M, Zarzaur B, Callum J, Cotton BA, Cripps M, Gunter OL, Holcomb JB, Kerby J, Kornblith LZ, Moore EE, Riojas CM, Schreiber M, Sperry JL, Yeh DD.

J Trauma Acute Care Surg. 2023 Jun 1;94(6):784-790. Epub 2023 Jan 23.

[PubMed ID: [36727810](#)]

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 Jun;80(6):786-796. Epub 2023 Mar 7.
[PubMed ID: [36890045](#)]

CARDIOTHORACIC SURGERY

Association of size matching using predicted heart mass with mortality in heart transplant recipients with obesity or high pulmonary vascular resistance.
Tao R, Hess TM, Kuchnia A, Hermesen J, Raza F, Dhingra R.
JAMA Netw Open. 2023 Jun 1;6(6):e2319191.
[PubMed ID: [37351886](#)]

Effects of dexmedetomidine on inflammation and pulmonary function after thoracoscopic surgery for lung cancer: A systematic review and meta-analysis.
Xu Y, Zhou Y, Maloney JD, Shan G.
J Thorac Dis. 2023 Jun 30;15(6):3397-3408. Epub 2023 Jun 16.
[PubMed ID: [37426124](#)]

Medically smart, fiscally illiterate: Lack of financial education leads to poor retirement savings strategies in surgical trainees.
Barrett JR, Leonard LD, Kovar A, McCarthy DP, Harms B, Tevis S.
Am Surg. 2023 Jun;89(6):2427-2433. Epub 2022 May 4.
[PubMed ID: [35506914](#)]

COLORECTAL SURGERY

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 Jun;25(6):1238-1247. Epub 2023 Mar 21.
[PubMed ID: [36945080](#)]

ENDOCRINE SURGERY

Outcomes of nonoperative vs operative management of acute appendicitis in older adults in the US.
Meier J, Stevens A, Bhat A, Berger M, Balentine C.
JAMA Surg. 2023 Jun 1;158(6):625-632.
[PubMed ID: [37017955](#)]

Reassessing surgical guidelines for papillary thyroid cancer impact on survival: Expanding indications for lobectomy.
Stevens A, Meier J, Bhat A, Knight SJ, Vanness DJ, Balentine C.
Surgery. 2023 Jun 29:S0039-6060(23)00328-8. Epub ahead of print.
[PubMed ID: [37393154](#)]

MINIMALLY INVASIVE SURGERY

A review and assessment of open access surgery journals.

Cotter RR, Funk LM, Wong SL.

J Surg Res. 2023 Jun 6:S0022-4804(23)00169-5. Epub ahead of print.

[PubMed ID: [37291005](#)]

Identifying young adults at high risk for weight gain using machine learning.

Murtha JA, Birstler J, Stalter L, Jawara D, Hanlon BM, Hanrahan LP, Churpek MM, Funk LM.

J Surg Res. 2023 Jun 15;291:7-16. Epub ahead of print.

[PubMed ID: [37329635](#)]

Patient and provider perceptions about communication after bariatric surgery: A qualitative analysis.

Lam CS, Alagoz E, Jawara D, Murtha JA, Breuer CR, Pati B, Eierman L, Farrar-Edwards D, Voils CI, Funk LM.

J Surg Res. 2023 Jun 20;291:58-66. Epub ahead of print.

[PubMed ID: [37348437](#)]

Recurrent dysphagia after myotomy for achalasia: pneumatic dilation or POEM? : Which modality offers superior outcomes?

Zimmermann C, Torell N, Lidor A, Funk L, Shada A.

Surg Endosc. 2023 Jun;37(6):4812-4817. Epub 2022 Sep 19.

[PubMed ID: [36121502](#)]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

Effects of food and liquid properties on swallowing physiology and function in adults.

Peña-Chávez RE, Schaen-Heacock NE, Hitchcock ME, Kurosu A, Suzuki R, Hartel RW, Ciucci MR, Rogus-Pulia NM.

Dysphagia. 2023 Jun;38(3):785-817. Epub 2022 Oct 20.

[PubMed ID: [36266521](#)]

Evaluation and treatment of rhinosinusitis with primary antibody deficiency in adults: Evidence-based review with recommendations.

Makary CA, Luong AU, Azar A, Kim J, Ahmed OG, Chaaban M, Damask CC, Hannikainen P, Joe S, Lam K, Peppers BP, Peters AT, Toskala E, Lin SY.

Int Forum Allergy Rhinol. 2023 Jun 10. Epub ahead of print.

[PubMed ID: [37300852](#)]

Examining therapy duration in adults with voice disorders.

Fujiki RB, Thibeault SL.

Am J Speech Lang Pathol. 2023 Jul 10;32(4):1665-1678. Epub 2023 Jun 22.

[PubMed ID: [37348484](#)]

Pre-clinical evaluation of APrevent® VOIS for unilateral vocal fold paralysis medialization.

Ho GM, Rast J, Hsieh LC, Böttcher A, Meng S, Reissig LF, Tzou CH, Hess MM, Schneider-Stickler B, Jiang J, Lai YT, Yuan SP, Wang YP, Geyer SH, Weninger WJ.

Laryngoscope Investig Otolaryngol. 2023 Apr 21;8(3):712-719.

[PubMed ID: [37342118](#)]

Reconstruction after skin cancer resection of the head and neck.

Zimmer DI, Wieland AM, Ku JA.

Otolaryngol Clin North Am. 2023 Aug;56(4):779-790. Epub 2023 Jun 3.

[PubMed ID: [37277301](#)]

Risk factors for dysphagia in patients hospitalized with COVID-19.

Holdiman A, Rogus-Pulia N, Pulia MS, Stalter L, Thibeault SL.

Dysphagia. 2023 Jun;38(3):933-942. Epub 2022 Sep 15.

[PubMed ID: [36109398](#)]

Thyroarytenoid oxidative metabolism and synaptic signaling dysregulation in the female Pink1-/- rat.

Barnett DGS, Lechner SA, Gammie SC, Kelm-Nelson CA.

Laryngoscope. 2023 Jun 9. Epub ahead of print.

[PubMed ID: [37293988](#)]

PEDIATRIC SURGERY

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 Jun;33(3):181-190. Epub 2023 Mar 22.

[PubMed ID: [36948212](#)]

Pediatric surgeon perceptions on operating room environmental stewardship and current institutional climate-smart actions.

Sullivan GA, Reiter AJ, Smith C, Glick RD, Skarda DE, Le HD, Gow KW, Rich BS, Raval MV; American Academy of Pediatrics Section on Surgery Delivery of Surgical Care Committee.

J Pediatr Surg. 2023 Jun 27:S0022-3468(23)00396-2. Epub ahead of print.

[PubMed ID: [37468347](#)]

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 Jun;58(6):1133-1138. Epub 2023 Feb 18.

[PubMed ID: [36914464](#)]

PLASTIC SURGERY

Diversity in the plastic surgery match: The effect of program chair, program director, and faculties' race and sex on matched applicants.

Steiner Q, Edalatpour A, Seitz AJ, Bentz ML, Afifi AM.

J Craniofac Surg. 2023 Jul-Aug 01;34(5):1376-1380. Epub 2023 Jun 1.

[PubMed ID: [37259193](#)]

Objective residency applicant assessment using a linear rank model.

Shaffrey EC, Moura SP, Wirth PJ, Attaluri PK, Schappe A, Edalatpour A, Bentz ML, Rao VK.

J Surg Educ. 2023 Jun;80(6):776-785. Epub 2023 Apr 1.

[PubMed ID: [37012141](#)]

Postoperative outcomes following buried penis reconstruction: A single-institution experience using the Wisconsin Classification System.

Seitz AJ, Edalatpour A, Israel JS, Grimes MD, Williams DH, Poore SO.

Plast Reconstr Surg. 2023 Jun 20. Epub ahead of print.

[PubMed ID: [37337329](#)]

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](#)]

Quantifying the impact of prepectoral implant conversion on patient satisfaction and quality of life.

Seitz AJ, MacKenzie EL, Edalatpour A, Janssen DA, Doubek Iii WG, Afifi AM.

Plast Reconstr Surg. 2023 Jun 19. Epub ahead of print.

[PubMed ID: [37335561](#)]

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 Jun 1;34(4):1181-1184. Epub 2023 Mar 30.

[PubMed ID: [36991535](#)]

The nuances of abdominal free flap harvest: Technical and patient factors affecting abdominal donor site morbidity in autologous breast reconstruction.

Edalatpour A, Attaluri P, Shaffrey EC, Seitz A, Poore SO, Afifi AM.

J Plast Reconstr Aesthet Surg. 2023 Jun;81:105-118. Epub 2023 Mar 22.

[PubMed ID: [37130444](#)]

SURGICAL ONCOLOGY

Association between biliary pathogens, surgical site infection, and pancreatic fistula: Results of a randomized trial of perioperative antibiotic prophylaxis in patients undergoing pancreatoduodenectomy.

Ellis RJ, Brajcich BC, Bertens KA, Chan CHF, Castillo CF, Karanicolas PJ, Maithel SK, Reames BN, Weber SM, Vidri RJ, Pitt HA, Thompson VM, Gonen M, Seo SK, Yopp AC, Ko CY, D'Angelica MI.

Ann Surg. 2023 Jun 14. Epub ahead of print.

[PubMed ID: [37314221](#)]

Barriers to surgical outcomes research in low- and middle-income countries: A scoping review.

Mughal NA, Hussain MH, Ahmed KS, Waheed MT, Munir MM, Diehl TM, Zafar SN.

J Surg Res. 2023 Oct;290:188-196. Epub 2023 Jun 1.

[PubMed ID: [37269802](#)]

Cancer research funding data to drive collaboration and inform action.

Garton EM, Cheetham M, Cira MK, Davies L, Mitrou P, Perin DP, Ross AL, Zafar SN, Duncan K.

Lancet Oncol. 2023 Jun;24(6):584-586.

[PubMed ID: [37269838](#)]

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

Stankowski TJ, Alagoz E, Jacobson N, Neuman HB.
Clin Breast Cancer. 2023 Jun;23(4):461-467. Epub 2023 Mar 28.
[PubMed ID: [37069035](#)]

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 Jun;27(6):1197-1207. Epub 2023 Feb 28.
[PubMed ID: [36854990](#)]

Pdx1 expression in hematopoietic cells activates *Kras*-mutation to drive leukemia in KC (*Pdx1-Cre*; *LSL-KrasG12D/+*) mice.

Walcheck MT, Nukaya M, Ranheim EA, Matkowskyj KA, Ronnekleiv-Kelly S.
Leuk Lymphoma. 2023 Jun;64(6):1112-1122. Epub 2023 Apr 20.
[PubMed ID: [37081806](#)]

Postoperative outcomes after staged versus coordinated breast surgery and bilateral salpingo-oophorectomy.

Vemuru SR, Bronsert M, Vossler K, Huynh VD, Beaty L, Ahrendt G, Arruda J, Kaoutzanis C, Rojas KE, Bozzuto L, Kim S, Tevis SE.
Ann Surg Oncol. 2023 Jun 19. Epub ahead of print.
[PubMed ID: [37336806](#)]

The circadian clock is disrupted in pancreatic cancer.

Schwartz PB, Nukaya M, Berres ME, Rubinstein CD, Wu G, Hogenesch JB, Bradfield CA, Ronnekleiv-Kelly SM.
PLoS Genet. 2023 Jun 1;19(6):e1010770.
[PubMed ID: [37262074](#)]

Validation of the AJCC 8th edition staging system for disseminated appendiceal cancer patients treated with cytoreductive surgery and hyperthermic intraperitoneal chemotherapy: A multi-institutional analysis.

SenthilKumar G, Kothari AN, Maduekwe UN, Fournier K, Abbott DE, Wilson GC, Patel SH, Greer J, Johnston F, Dineen SP, Powers BD, Baumgartner J, Veerapong J, Leiting J, Grotz TE, Maithel SK, Staley C, Raoof M, Lambert L, Lee A, Kim A, Cloyd JM, Mogal H.
Ann Surg Oncol. 2023 Jun 9. Epub ahead of print.
[PubMed ID: [37294386](#)]

TRANSPLANTATION

A randomized controlled trial of envarsus versus immediate release tacrolimus in kidney transplant recipients with delayed graft function.

Parajuli S, Muth B, Bloom M, Ptak L, Aufhauser D, Thiessen C, Al-Adra D, Mezrich J, Neidlinger N, Odorico J, Wang JG, Foley D, Kaufman D, Mandelbrot DA.
Transplant Proc. 2023 Jun 30:S0041-1345(23)00414-1. Epub ahead of print.
[PubMed ID: [37394382](#)]

Ethical analysis of the first porcine cardiac xenotransplantation.

Gyngell C, Munsie M, Fujita M, Thiessen C, Savulescu J, Konstantinov IE.

J Med Ethics. 2023 Jun 22:jme-2022-108685. Epub ahead of print.
[PubMed ID: [37348929](#)]

Extracellular vesicle-associated GARP/TGFβ: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](#)]

Generation of the NeoThy mouse model for human immune system studies.

Del Rio NM, Huang L, Murphy L, Babu JS, Daffada CM, Haynes WJ, Keck JG, Brehm MA, Shultz LD, Brown ME.

Lab Anim (NY). 2023 Jul;52(7):149-168. Epub 2023 Jun 29.

[PubMed ID: [37386161](#)]

Helical tomotherapy total lymphoid irradiation and hematopoietic cell transplantation for kidney transplant tolerance in rhesus macaques.

Kaufman DB, Forrest LJ, Fechner J, Post J, Coonen J, Haynes LD, Haynes WJ, Christensen N, Zhong W, Little CJ, D'Alessandro A, Fernandez L, Brunner K, Jensen K, Burlingham WJ, Hematti P, Strober S.

Transpl Int. 2023 Jun 22;36:11279.

[PubMed ID: [37426429](#)]

Normothermic machine perfusion of donor livers for transplantation in the United States - A randomized controlled trial.

Chapman WC, Barbas AS, D'Alessandro AM, Vianna R, Kubal CA, Abt P, Sonnenday C, Barth R, Alvarez-Casas J, Yersiz H, Eckhoff D, Cannon R, Genyk Y, Sher L, Singer A, Feng S, Roll G, Cohen A, Doyle MB, Sudan DL, Al-Adra D, Khan A, Subramanian V, Abraham N, Olthoff K, Tekin A, Berg L, Coussios C, Morris C, Randle L, Friend P, Knechtle SJ.

Ann Surg. 2023 Jun 26. Epub ahead of print.

[PubMed ID: [37389552](#)]

VASCULAR SURGERY

Effect of doxycycline on progression of arterial calcification in the noninvasive treatment of abdominal aortic aneurysm clinical trial (N-TA(3)CT).

Kim TI, Kostiuk V, Olson SL, Curci JA, Matsumura JS, Baxter BT, Blackwelder WC, Terrin ML, Guzman RJ.

Ann Vasc Surg. 2023 Jun 24:S0890-5096(23)00345-X. Epub ahead of print.

[PubMed ID: [37356652](#)]
