



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

SEPTEMBER 2023 PUBLICATIONS

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

CROSS-DIVISION COLLABORATIONS

Disposal of unused postoperative opioids: A real-world demonstration of surgeon-initiated strategies using an activated charcoal bag system.

Nishtala MV, Karim AS, Melnick D, Delarwelle T, Lawson E, Greenberg CC, Borza T.

Ann Surg Open. 2023 Aug 17;4(3):e313.

[PubMed ID: [37746621](#)]

Surgeon or bot? The risks of using artificial intelligence in surgical journal publications.

Shaffrey EC, Eftekari SC, Wilke LG, Poore SO.

Ann Surg Open. 2023 Jun 28;4(3):e309.

[PubMed ID: [37746615](#)]

ACUTE CARE AND REGIONAL GENERAL SURGERY

Angioembolization for isolated severe blunt splenic injuries with hemodynamic instability: A propensity score matched analysis.

Aoki M, Matsumoto S, Abe T, Zarzaur BL, Matsushima K.

World J Surg. 2023 Nov;47(11):2644-2650. Epub 2023 Sep 7.

[PubMed ID: [37679608](#)]

Creation of standardized tools to evaluate reporting in health research: Population reporting of gender, race, ethnicity & sex (PROGRES).

Stey AM, Ghneim M, Gurney O, Santos AP, Rattan R, Abahuje E, Baskaran A, Nahmias J, Richardson J, Zakrisson TL, Bailly ZD, Haut ER, Chaudhary M, Joseph B, Zarzaur B, Hendershot K.

PLOS Glob Public Health. 2023 Sep 7;3(9):e0002227.

[PubMed ID: [37676874](#)]

Delirium and neuropsychological recovery among emergency general surgery survivors (DANE): Study protocol for a randomized controlled trial and collaborative care intervention.

Mohanty S, Holler E, Ortiz D, Meagher A, Perkins A, Bylund P, Khan B, Unverzagt F, Xu H, Ingraham A, Boustani M, Zarzaur B.

Trials. 2023 Oct 3;24(1):634.

[PubMed ID: [37789461](#)]

Emergency general surgery verification: Quality improvement and the case for optimal resources and process standards.

Coleman JJ, Davis KA, Savage S, Staudenmayer K, Coimbra R.

J Trauma Acute Care Surg. 2023 Sep 6. Epub ahead of print.

[PubMed ID: [37678150](#)]

The need for diversity, equity, and inclusion in the examination of sexual life issues after partners' burn injuries.

Nosanov LB, Gibson ALF.

J Burn Care Res. 2023 Sep 7;44(5):1258.

[PubMed ID: [37423709](#)]

CARDIOTHORACIC SURGERY

Bilateral lung transplantation: How I teach it.

Hall DJ, Angeles CE, Guenther TM, Xia Y, Maloney JD, DeCamp MM, McCarthy DP.

Ann Thorac Surg. 2023 Sep 29:S0003-4975(23)01029-9. Epub ahead of print.

[PubMed ID: [37777148](#)]

Integrated cardiothoracic surgery match: Trends among applicants compared with other surgical subspecialties.

Bougioukas L, Heiser A, Berg A, Polomsky M, Rokkas C, Hirashima F.

J Thorac Cardiovasc Surg. 2023 Sep;166(3):904-914. Epub 2022 Mar 22.

[PubMed ID: [35461707](#)]

Mesothelioma: Peritoneal, version 2.2023, NCCN Clinical Practice Guidelines in Oncology.

Ettinger DS, Wood DE, Stevenson J, Aisner DL, Akerley W, Bauman JR, Bharat A, Bruno DS, Chang JY, Chirieac LR, DeCamp M, Dilling TJ, Dowell J, Durm GA, Gettinger S, Grotz TE, Gubens MA, Hegde A, Lackner RP, Lanuti M, Lin J, Loo BW, Lovly CM, Maldonado F, Massarelli E, Morgensztern D, Mullikin TC, Ng T, Otterson GA, Patel SP, Patil T, Polanco PM, Riely GJ, Riess J, Shapiro TA, Singh AP, Tam A, Tanvetyanon T, Yanagawa J, Yang SC, Yau E, Gregory KM, Hughes M.

J Natl Compr Canc Netw. 2023 Sep;21(9):961-979.

[PubMed ID: [37673108](#)]

Systems of care factors should be considered in regionalization of congenital cardiac surgery.

Anagnostopoulos PV, Cartmill RS, Yang Q, Schumacher JR, Fernandes-Taylor S, Hermsen JL, DeCamp MM.

Ann Thorac Surg. 2023 Sep;116(3):517-523. Epub 2022 Nov 12.

[PubMed ID: [36379268](#)]

Wolff-Parkinson-White pattern in the setting of antibody-mediated rejection after heart transplant.

Chong L, Waqar A, Elkhoully A, Hermsen J, Johnson M, Wright J.

HeartRhythm Case Rep. 2023 Jun 26;9(9):649-652.

[PubMed ID: [37746570](#)]

COLORECTAL SURGERY

A qualitative study of barriers to anal cancer screenings in US veterans living with HIV.

Sanger CB, Kalbfell E, Cherney-Stafford L, Striker R, Alagoz E.

AIDS Patient Care STDS. 2023 Sep;37(9):436-446.

[PubMed ID: [37713286](#)]

ENDOCRINE SURGERY

Challenges and controversies in adrenal surgery: A practical approach.

Beninato T, Duh QY, Long KL, Kiernan CM, Miller BS, Patel S, Randle RW, Wachtel H, Zanolco KA, Zern NK, Drake FT.

Curr Probl Surg. 2023 Sep;60(9):101374. Epub 2023 Aug 6.

[PubMed ID: [37770163](#)]

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

Balentine C.

JAMA Surg. 2023 Sep 1;158(9):983-984.

[PubMed ID: [37195700](#)]

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 Sep;174(3):542-548. Epub 2023 Jun 30.

[PubMed ID: [37393154](#)]

MINIMALLY INVASIVE SURGERY

Patient perspectives of barriers and facilitators for the uptake of pharmacogenomic testing in Veterans Affairs' pharmacogenomic testing for the veterans (PHASER) program.

Melendez K, Gutierrez-Meza D, Gavin KL, Alagoz E, Sperber N, Wu RR, Silva A, Pati B, Voora D, Hung A, Roberts MC, Voils CI.

J Pers Med. 2023 Sep 9;13(9):1367.

[PubMed ID: [37763135](#)]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

Association between estrogen exposure and idiopathic subglottic stenosis.

Nanda N, Huang LC, Chen SC, Berry LD, Talatala ERR, Clark E, Ye W, Gelbard A, Francis DO; North American Airway Collaborative.

Laryngoscope. 2023 Sep 5. Epub ahead of print.

[PubMed ID: [37668331](#)]

Effects of vocal fold adduction on the particle deposition in the glottis: A numerical analysis and in vitro assessment.

Yu P, Xue C, Boeckstedt B, Olsen H, Jiang JJ.

Comput Biol Med. 2023 Sep 29;166:107537. Epub ahead of print.
[PubMed ID: [37820560](#)]

Factors influencing behavioral cough suppression therapy in children with nonspecific chronic cough.

Fujiki RB, Wright ML, Fujiki AE, Thibeault SL.
Pediatr Pulmonol. 2023 Sep 22. Epub ahead of print.
[PubMed ID: [37737562](#)]

Impact of serial intralesional steroid injections on idiopathic subglottic stenosis.

Hoffman MR, Patro A, Huang LC, Chen SC, Berry LD, Gelbard A, Francis DO; North American Airway Collaborative.
Laryngoscope. 2023 Sep;133(9):2255-2263. Epub 2022 Oct 26.
[PubMed ID: [36286239](#)]

Navigating pathways to diagnosis in idiopathic subglottic stenosis: A qualitative study.

Damico Smith C, Nanda N, Bonnet K, Schlundt D, Anderson C, Fernandes-Taylor S, Gelbard A, Francis DO.
Laryngoscope. 2023 Sep 23. Epub ahead of print.
[PubMed ID: [37740907](#)]

Understanding attitudes, beliefs, behaviors, and barriers to hearing loss care among hispanic adults and caregivers.

Burnham R, Gamero Y, Misurelli S, Pinzon MM, Lor M.
Hisp Health Care Int. 2023 Sep;21(3):150-157. Epub 2022 Nov 14.
[PubMed ID: [36377267](#)]

Vocal vibration opening onset position abnormality in patients with adductor spasmodic dystonia by using high-speed endoscopy.

Xu X, Saleh E, Lacke MR, Jiang JJ, Zhuang P.
J Voice. 2023 Sep 18:S0892-1997(23)00257-6. Epub ahead of print.
[PubMed ID: [37730489](#)]

PEDIATRIC SURGERY

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 Sep;289:61-68. Epub 2023 Mar 23.
[PubMed ID: [37086597](#)]

PLASTIC SURGERY

Current weight loss medications: What plastic surgeons should know.

Wirth PJ, Shaffrey EC, Bay C, Rao VK.
Aesthet Surg J. 2023 Sep 14:sjad304. Epub ahead of print.
[PubMed ID: [37706359](#)]

Knitting: A simple and effective intervention for surgeon wellbeing.

Zhang RS, Gast KM.
Am J Surg. 2023 Sep;226(3):400-401. Epub 2023 Apr 27.
[PubMed ID: [37150722](#)]

Making headway in surgical education at home and abroad: Use of an inexpensive three-dimensional 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 Sep 1;152(3):540e-546e. Epub 2023 Feb 15.
[PubMed ID: [36790792](#)]

Management of common conditions of the musician: A narrative review for plastic surgeons.

Chu D, Eftekari SC, Nicksic PJ, Poore SO.
J Plast Surg Hand Surg. 2023 Sep 1;58:89-95.
[PubMed ID: [37656488](#)]

Sociodemographic disparities in craniosynostosis: A systematic review.

Blum JD, Ng JJ, Craig J, Smith R, Kota A, Moura SP, Ford AD, Kalluri MH, Garland C, Cho DY.
Cleft Palate Craniofac J. 2023 Sep 10;10556656231199832. Epub ahead of print.
[PubMed ID: [37691284](#)]

Standardized patient surgical marking session: An under-utilized plastic surgery resident educational tool.

Shaffrey EC, Poore SO.
Aesthet Surg J Open Forum. 2023 Sep 14;5:ojad083.
[PubMed ID: [37795256](#)]

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 Sep 1;278(3):310-319. Epub 2023 Jun 14.
[PubMed ID: [37314221](#)]

Low prognostic nutritional index is common and associated with poor outcomes following curative-intent resection for gastro-entero-pancreatic neuroendocrine tumors.

Xiang JX, Qian YR, He J, Lopez-Aguilar AG, Poultides G, Rocha F, Weber S, Fields R, Idrees K, Cho C, Maithel SK, Lv Y, Zhang XF, Pawlik TM.
Neuroendocrinology. 2023 Sep 13. Epub ahead of print.
[PubMed ID: [37703840](#)]

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 Sep;30(9):5667-5680. Epub 2023 Jun 19.
[PubMed ID: [37336806](#)]

Prediction of early recurrence following CRS/HIPEC in patients with disseminated appendiceal cancer.

SenthilKumar G, Merrill J, Maduekwe UN, Cloyd JM, Fournier K, Abbott DE, Zafar N, Patel S, Johnston F, Dineen S, Baumgartner J, Grotz TE, Maithel SK, Raoof M, Lambert L, Hendrix R, Kothari AN. J Surg Res. 2023 Dec;292:275-288. Epub 2023 Sep 2.
[PubMed ID: [37666090](#)]

Single-cell RNA sequencing of neurofibromas reveals a tumor microenvironment favorable for neural regeneration and immune suppression in a neurofibromatosis type 1 porcine model.

McLean DT, Meudt JJ, Lopez Rivera LD, Schomberg DT, Pavelec DM, Duellman TT, Buehler DG, Schwartz PB, Graham M, Lee LM, Graff KD, Reichert JL, Bon-Durant SS, Konsitzke CM, Ronnekleiv-Kelly SM, Shanmuganayagam D, Rubinstein CD. Front Oncol. 2023 Sep 25;13:1253659.
[PubMed ID: [37817770](#)]

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 Sep;30(9):5743-5753 Epub 2023 Jun 9.
[PubMed ID: [37294386](#)]

Venous thromboembolism chemoprophylaxis adherence rates after major cancer surgery.

Logan CD, Hudnall MT, Schlick CJR, French DD, Bartle B, Vitello D, Patel HD, Woldanski LM, Abbott DE, Merkow RP, Odell DD, Bentrem DJ. JAMA Netw Open. 2023 Sep 5;6(9):e2335311.
[PubMed ID: [37768664](#)]

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 Sep;55(7):1568-1574. Epub 2023 Jul 1.
[PubMed ID: [37394382](#)]

Analysis of individual components of frailty in simultaneous pancreas and kidney, and solitary pancreas transplant recipients.

Parajuli S, Odorico J, Breyer I, Zona E, Aziz F, Lorden H, Garonzik-Wang J, Kaufman D, Mandelbrot D. Transplant Direct. 2023 Aug 28;9(9):e1523.
[PubMed ID: [37649788](#)]

Artificial intelligence-based clinical decision support for liver transplant evaluation and considerations about fairness: A qualitative study.

Strauss AT, Sidoti CN, Sung HC, Jain VS, Lehmann H, Purnell TS, Jackson JW, Malinsky D, Hamilton JP, Garonzik-Wang J, Gray SH, Levan ML, Hinson JS, Gurses AP, Gurakar A, Segev DL, Levin S. Hepatol Commun. 2023 Sep 11;7(10):e0239.
[PubMed ID: [37695082](#)]

Characterizing the risk of human leukocyte antigen-incompatible living donor kidney transplantation in older recipients.

Long JJ, Motter JD, Jackson KR, Chen J, Orandi BJ, Montgomery RA, Stegall MD, Jordan SC, Benedetti E, Dunn TB, Ratner LE, Kapur S, Pelletier RP, Roberts JP, Melcher ML, Singh P, Sudan DL, Posner MP, El-Amm JM, Shapiro R, Cooper M, Verbesey JE, Lipkowitz GS, Rees MA, Marsh CL, Sankari BR, Gerber DA, Wellen JR, Bozorgzadeh A, Gaber AO, Heher EC, Weng FL, Djamali A, Helderman JH, Concepcion BP, Brayman KL, Oberholzer J, Kozlowski T, Covarrubias K, Massie AB, McAdams-DeMarco MA, Segev DL, Garonzik-Wang JM.

Am J Transplant. 2023 Sep 23:S1600-6135(23)00698-6. Epub ahead of print.

[PubMed ID: [37748554](#)]

Chronic gastrointestinal bleeding and anemia in a pancreas transplant recipient: A creative solution to a previously uncharacterized complication.

Matabele MM, Wolf L, Danobeitia JS, Odorico JS.

Am J Transplant. 2023 Sep;23(9):1462-1464.

[PubMed ID: [37659834](#)]

Left ventricular dysfunction associated with brain death: Results from the Donor Heart Study.

Khush KK, Malinoski D, Luikart H, Wayda B, Groat T, Nguyen J, Belcher J, Nieto J, Neidlinger N, Salehi A, Geraghty PJ, Nicely B, Jendrisak M, Pearson T, Patrick Wood R, Zhang S, Weng Y, Zaroff J. Circulation. 2023 Sep 5;148(10):822-833. Epub 2023 Jul 19.

[PubMed ID: [37465972](#)]

Physician preferences when selecting candidates for lower-quality kidney offers.

Gonzalez Sepulveda JM, Mehrotra S, Yang JC, Schantz KJ, Becker Y, Formica R, Ladner DP, Kaufman D, Friedewald J.

Clin J Am Soc Nephrol. 2023 Sep 20. Epub ahead of print.

[PubMed ID: [37729938](#)]

Real world experience with conversion from valganciclovir to letermovir for cytomegalovirus prophylaxis: Letermovir reverses leukopenia and avoids mycophenolate dose reduction.

Jorgenson MR, Descourouez JL, Saddler CM, Smith JA, Odorico JS, Rice JP, Mandelbrot DA.

Clin Transplant. 2023 Sep 27:e15142. Epub ahead of print.

[PubMed ID: [37755141](#)]

Temporal trends in kidney paired donation in the United States: 2006-2021 UNOS/OPTN database analysis.

Garg N, Thiessen C, Reese PP, Cooper M, Leishman R, Friedewald J, Sharfuddin AA, Nishio Lucar AG, Dadhania DM, Kumar V, Waterman AD, Mandelbrot DA.

Am J Transplant. 2023 Sep 20:S1600-6135(23)00694-9. Epub ahead of print.

[PubMed ID: [37739347](#)]

Transplant candidate outcomes after declining a DCD liver in the United States.

Ishaque T, Eagleson MA, Bowring MG, Motter JD, Yu S, Luo X, Kernodle AB, Gentry S, Garonzik-Wang JM, King EA, Segev DL, Massie AB.

Transplantation. 2023 Sep 20. Epub ahead of print.

[PubMed ID: [37726882](#)]

VASCULAR SURGERY

Acute ischemia secondary to popliteal artery stent fracture and embolization.

Panthofer AM, Yi JA, Chiou AC, Matsumura JS.

J Vasc Surg Cases Innov Tech. 2023 Apr 23;9(3):101143.
[PubMed ID: [37799850](#)]

Evaluating the role of major lower extremity amputation in nonagenarians.

Zaza SI, Rectenwald JE, Bennett KM.
Ann Vasc Surg. 2023 Sep;95:178-183. Epub 2023 Apr 15.
[PubMed ID: [37068626](#)]

Open partial conversion with aortic banding and endograft preservation as a safe treatment for persistent type II endoleaks.

Beyer R, Staniszewski T, Morgan C.
J Vasc Surg. 2023 Sep;78(3):840-841.
[PubMed ID: [37599037](#)]

Reengaging patients with forgotten filters through an institutional multidisciplinary approach.

Swietlik JF, Rose AE, Meram E, Schwartz BS, Matsumura JS, Laeseke PF.
J Vasc Surg Venous Lymphat Disord. 2023 Sep;11(5):995-1003. Epub 2023 Apr 27.
[PubMed ID: [37120039](#)]
