



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

AUGUST 2024 PUBLICATIONS

Congratulations to all department members whose research was published in August 2024! The following list is organized by division within the Department of Surgery.

CROSS-DIVISION COLLABORATIONS

Does delayed operation increase morbidity and mortality? An analysis of emergency general surgery procedures.

Franklin KN, Nishtala M, McCracken A, Berian JR, Zarzaur B.

J Trauma Acute Care Surg. 2024 Aug 1;97(2):266-271. Epub 2024 May 1.

[PubMed ID: [38689389](#)]

How well do faculty do in providing general surgery EPA feedback?

Layne D, Jung S, Varley P, O'Rourke A, Minter R.

Am J Surg. 2024 Oct;236:115902. Epub 2024 Aug 22.

[PubMed ID: [39242235](#)]

Implementation of a perioperative registry in Ethiopia to enhance surgical quality improvement.

Jaraczewski TJ, Abebe BM, Diehl T, Esayas T, Melaku W, Nigussie Y, Ahmed KS, Vo T, Lee M, Woisha B, Woldegiorgis ET, Chen TH, Tegene BA, Belachew AG, Dodgion C, Iverson KR, Tefera G, Zafar SN.

World J Surg. 2024 Aug;48(8):1829-1839. Epub 2024 Jun 6.

[PubMed ID: [38844403](#)]

Perinatal airway management mandibular anomalies: A national inpatient cohort analysis.

Puricelli MD, Barr SJ, Ellefson JL, Matabele MN, Nuttall EC, Garcia G, Huang SX, Venkatesh M, Lobeck IN.

Laryngoscope. 2024 Aug 14. Epub ahead of print.

[PubMed ID: [39140255](#)]

Predictors for postoperative dysphagia in liver transplant recipients.

Isdahl M, Katz L, Johnson M, Levenson G, Al-Adra D, Thibeault S.

Front Transplant. 2024 Aug 16;3:1415141.

[PubMed ID: [39221171](#)]

Providing a safe pregnancy experience for surgeons: A review.

Glazer TA, Gunderson KA, Deroo E, Shaffrey EC, Mann H, Matabele MN, Minter RM, Iruretagoyena JI, Rectenwald JE.

JAMA Surg. 2024 Aug 14. Epub ahead of print.

[PubMed ID: [39141361](#)]

ACUTE CARE AND REGIONAL GENERAL SURGERY

High-grade liver injuries with contrast extravasation managed initially with interventional radiology versus observation: A secondary analysis of a WTA multicenter study.

Aryan N, Grigorian A, Tay-Lasso E, Cripps M, Carmichael H, McIntyre R Jr, Urban S, Velopulos C, Cothren Burlew C, Ballow S, Dirks RC, LaRiccica A, Farrell MS, Stein DM, Truitt MS, Grossman Verner HM, Mentzer CJ, Mack TJ, Ball CG, Mukherjee K, Mladenov G, Haase DJ, Abdou H, Schroepfel TJ, Rodriguez J, Bala M, Keric N, Crigger M, Dhillon NK, Ley EJ, Egodage T, Williamson J, Cardenas TC, Eugene V, Patel K, Costello K, Bonne S, Elgammal FS, Dorlac W, Pederson C, Werner NL, Haan JM, Lightwine K, Semon G, Spoor K, Harmon LA, Samuels JM, Spalding MC, Nahmias J.

Am J Surg. 2024 Aug;234:105-111. Epub 2024 Mar 26.

[PubMed ID: [38553335](#)]

Mechanisms of delayed indocyanine green fluorescence and applications to clinical disease processes.

Zajac J, Liu A, Hassan S, Gibson A.

Surgery. 2024 Aug;176(2):386-395. Epub 2024 May 14.

[PubMed ID: [38749795](#)]

Patient-reported outcomes and PTSD symptoms in emergency general surgery.

Shahan CP, Nishtala M, Matabele MM, Zarzaur BL Jr.

J Surg Res. 2024 Aug 8;302:317-323. Epub ahead of print.

[PubMed ID: [39121799](#)]

Single-cell transcriptional landscape of temporal neutrophil response to burn wound in larval zebrafish.

Hou Y, Khatri P, Rindy J, Schultz Z, Gao A, Chen Z, Gibson ALF, Huttenlocher A, Dinh HQ.

J Immunol. 2024 Aug 15;213(4):469-480.

[PubMed ID: [38922186](#)]

The porcine skin microbiome exhibits broad fungal antagonism.

De La Cruz KF, Townsend EC, Alex Cheong JZ, Salamzade R, Liu A, Sandstrom S, Davila E, Huang L, Xu KH, Wu SY, Meudt JJ, Shanmuganayagam D, Gibson ALF, Kalan LR.

Fungal Genet Biol. 2024 Aug;173:103898. Epub 2024 May 28.

[PubMed ID: [38815692](#)]

CARDIOTHORACIC SURGERY

Microwave dielectric properties of normal, fibroelastotic, and malignant human lung tissue.

Evans AL, Buehler D, Schulte JJ, McCarthy DP, Hagness SC.

Biomed Phys Eng Express. 2024 Aug 14;10(5).

[PubMed ID: [39102844](#)]

COLORECTAL SURGERY

Research perspective on: Impact of multidisciplinary prehabilitation interventions on postoperative hospital length of stay and functional capacity in patients undergoing resection of colorectal cancer: A systematic review and meta-analysis.

Berian JR.

Dis Colon Rectum. 2024 Sep 1;67(9):1120. Epub 2024 Aug 7.

[PubMed ID: [38789260](#)]

Risk of developing high-grade squamous intraepithelial lesions or anal cancer after anal condylomata treatment in people living with HIV.

Hewitt A, Kawak S, Yang Q, Stafford LC, Bailey HH, Striker R, Hayden DM, Sanger CB.

Colorectal Dis. 2024 Aug 4. Epub ahead of print.

[PubMed ID: [39099077](#)]

ENDOCRINE SURGERY

Disparities in the treatment of primary hyperparathyroidism: A scoping review and conceptual model.

Chiu AS, Schears M, Hitchcock M, Sippel R, Kind A.

Am J Surg. 2024 Aug;234:35-40. Epub 2024 Apr 16.

[PubMed ID: [38653710](#)]

Hospital resource index, race/ethnicity, and postoperative venous thromboembolism risk: A causal mediation analysis.

Sharath SE, Shadid G, Choi JC, Balentine C, Koungias P.

Am J Surg. 2024 Nov;237:115909. Epub 2024 Aug 17.

[PubMed ID: [39213783](#)]

Results of a novel intervention to increase rates of diagnosis and treatment of primary hyperparathyroidism.

Lunardi N, Meier J, Stevens A, Milburn J, Oo Y, Hathiramani S, Soe K, Balentine C.

Am J Surg. 2024 Aug;234:156-161. Epub 2024 Apr 27.

[PubMed ID: [38755025](#)]

What constitutes quality in endocrine surgery? Statement from the American Association of Endocrine Surgeons.

Mathur A, Patel KN, Wilhelm SM, Sippel RS, Miller BS, Solórzano CC, Kelz R.

Surgery. 2024 Aug;176(2):331-335. Epub 2024 May 18.

[PubMed ID: [38762381](#)]

MINIMALLY INVASIVE SURGERY

A non-randomized comparison of engagement and outcomes for in-person versus virtual delivery of the Partner2Lose weight management trial.

Carpenter SM, Shetty A, Hetzel SJ, Garza K, Porter LS, Gray KE, Shaw RJ, Lewis MA, Mao L, Pabich S, Johnson HM, Yancy WS Jr, Elwert F, Voils CL.

Obes Sci Pract. 2024 Jul 23;10(4):e778.

[PubMed ID: [39045420](#)]

A small intestinal bile acid modulates the gut microbiome to improve host metabolic phenotypes following bariatric surgery.

Chen Y, Chaudhari SN, Harris DA, Roberts CF, Moscalu A, Mathur V, Zhao L, Tavakkoli A, Devlin AS, Sheu EG.

Cell Host Microbe. 2024 Aug 14;32(8):1315-1330.e5. Epub 2024 Jul 22.

[PubMed ID: [39043190](#)]

Outcomes of patients with eosinophilic esophagitis undergoing bariatric surgery.

Deiss-Yehiely N, Lidor A, Hillman L.

J Gastrointest Surg. 2024 Aug 2:S1091-255X(24)00566-3. Epub ahead of print.

[PubMed ID: [39097222](#)]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

Effects of chemoradiation and tongue exercise on swallow biomechanics and bolus kinematics.

Schaen-Heacock NE, Rowe LM, Ciucci MR, Russell JA.

Head Neck. 2024 Aug 16. Epub ahead of print.

[PubMed ID: [39150237](#)]

Facial expressions of emotion in children with cleft lip and palate.

Fujiki RB, Zhao F, Niedenthal PM, Thibeault SL.

Cleft Palate Craniofac J. 2024 Aug 28:10556656241271650. Epub ahead of print.

[PubMed ID: [39193752](#)]

Normative high-resolution pharyngeal manometry: Impact of age, size of system, and sex on primary metrics and pressure stability.

Jones CA, Lagus JF, Abdelhalim SM, Osborn CM, Colevas SM, McCulloch TM.

Dysphagia. 2024 Aug;39(4):648-665. Epub 2024 Jan 17.

[PubMed ID: [38231239](#)]

Photoangiolyysis with the 445-nm blue laser and the potassium-titanyl-phosphate laser: A comparison.

Lin CK, Chen YP, Wang YH, Dailey SH, Lai YT.

Ann Otol Rhinol Laryngol. 2024 Aug 14:34894241273280. Epub ahead of print.

[PubMed ID: [39143656](#)]

Physical therapy for muscle tension dysphonia with cervicalgia.

Tate AD, Tomlinson CA, Francis DO, Wishik ED, Lowery AS, Watkins MO, Stewart TG, Gong WH, Gilbert MR, Garrett CG.

Ear Nose Throat J. 2024 Aug;103(8):509-517. Epub 2021 Dec 23.

[PubMed ID: [34939450](#)]

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. 2024 Aug;61(8):1245-1256. Epub 2023 Mar 8.

[PubMed ID: [36890706](#)]

Socioeconomic deprivation detrimentally influences language outcomes in toddlers with cleft palate.

Fujiki RB, Lien KM, Munday J, Thibeault SL; Cleft Outcomes Research NETwork (CORNET) Consortium.
J Speech Lang Hear Res. 2024 Sep 12;67(9):3113-3132. Epub 2024 Aug 22.
[PubMed ID: [39173117](#)]

Varying supraglottic pressure using controlled supraglottic pressure phonation with a straw-shaped mouthpiece in healthy subjects.

Smereka KA, Nickels AM, Wischhoff OP, Silverman MA, Jiang JJ.
J Voice. 2024 Aug 16:S0892-1997(24)00240-6. Epub ahead of print.
[PubMed ID: [39153894](#)]

Voice disorder prevalence and vocal health characteristics in children.

Fujiki RB, Thibeault SL.
JAMA Otolaryngol Head Neck Surg. 2024 Aug 1;150(8):677-687.
[PubMed ID: [38900441](#)]

PLASTIC SURGERY

A systematic review of patient regret after surgery- A common phenomenon in many specialties but rare within gender-affirmation surgery.

Thornton SM, Edalatpour A, Gast KM.
Am J Surg. 2024 Aug;234:68-73. Epub 2024 Apr 24.
[PubMed ID: [38688814](#)]

Evaluation of morphometric measurements on preoperative CT angiograms to determine risk of abdominal donor site complications-A retrospective review of 174 patients.

Shaffrey EC, Ly N, Seitz AJ, Ziemlewicz TJ, Poore SO, Michelotti BF.
Plast Surg (Oakv). 2024 Aug;32(3):434-444. Epub 2022 Oct 17.
[PubMed ID: [39104940](#)]

Letter to the Editor in response to: "Surgical management of acquired buried penis and scrotal lymphedema: A retrospective review".

Thornton SM, Seitz AJ, Eftekari SC, Grimes MD, Williams DH 4th, Poore SO.
J Plast Reconstr Aesthet Surg. 2024 Aug;95:33-34. Epub 2024 Jun 5.
[PubMed ID: [38870672](#)]

The impact of neighborhood and socioeconomic disparities on distal radius fracture follow-up adherence.

Moura SP, McLaughlin MT, Gowda M, Shaffrey EC, Edalatpour A, Chu DY, Michelotti BF.
Plast Reconstr Surg. 2024 Aug 1;154(2):306e-316e. Epub 2023 Aug 11.
[PubMed ID: [37566490](#)]

Topical tranexamic acid (TXA) decreases time to drain removal, wound healing complications, and postoperative blood loss in autologous breast reconstruction: A retrospective study.

Rose K, Edalatpour A, Gunderson KA, Michelotti BF, Poore SO, Gast K.
Plast Surg (Oakv). 2024 Aug;32(3):395-403. Epub 2022 Aug 24.
[PubMed ID: [39104927](#)]

SURGICAL ONCOLOGY

Diverse mechanisms by which chemical pollutant exposure alters gut microbiota metabolism and inflammation.

Teffera M, Veith AC, Ronnekleiv-Kelly S, Bradfield CA, Nikodemova M, Tussing-Humphreys L, Malecki K.

Environ Int. 2024 Aug;190:108805. Epub 2024 Jun 10.

[PubMed ID: [38901183](#)]

Lymph node metrics following neoadjuvant therapy to refine patient selection for adjuvant chemotherapy in resected pancreatic cancer: A multi-institutional analysis.

Amirian H, Dickey E, Ogobuiro I, Box EW, Shah A, Martos MP, Patel M, Wilson GC, Snyder RA, Parikh AA, Hammill C, Kim HJ, Abbott D, Maithel SK, Zafar SN, LeCompte MT, Kooby DA, Ahmad SA, Merchant NB, Hester CA, Datta J.

J Surg Oncol. 2024 Aug 21. Epub ahead of print.

[PubMed ID: [39165230](#)]

Multi-institutional study examining intraoperative entrustment and resident sex.

Baker S, Evans J, Matusko N, Lindeman B, Jung S, Choi S, Minter R, Cook M, Brasel K, Sandhu G. Am J Surg. 2024 Aug 22:115925. Epub ahead of print.

[PubMed ID: [39242234](#)]

The overlooked factor: The impact of disability on postoperative complications after emergency general surgery procedures surgery.

Sigler G, Abbott DE.

Surgery. 2024 Aug;176(2):239-240. Epub 2024 Apr 12.

[PubMed ID: [38614910](#)]

TRANSPLANTATION

American Society of Transplant Surgeons normothermic regional perfusion standards: Abdominal.

Croome K, Bababekov Y, Brubaker A, Montenovio M, Mao S, Sellers M, Foley D, Pomfret E, Abt P. Transplantation. 2024 Aug 1;108(8):1660-1668. Epub 2024 Jul 17.

[PubMed ID: [39012956](#)]

Chronic rejection after kidney transplantation.

Diebold M, Mayer KA, Hidalgo L, Kozakowski N, Budde K, Böhmig GA.

Transplantation. 2024 Aug 28. Epub ahead of print.

[PubMed ID: [39192468](#)]

Glucose transporters are key components of the human glucostat.

Caspi I, Tremmel DM, Pulecio J, Yang D, Liu D, Yan J, Odorico JS, Huangfu D.

Diabetes. 2024 Aug 1;73(8):1336-1351.

[PubMed ID: [38775784](#)]

Hepatic resection as the primary treatment method for hepatocellular carcinoma after orthotopic liver transplantation.

Matar AJ, Oppat KM, Bennett FJ, Warren EAK, Wehrle CJ, Li Z, Rajendran L, Rokop ZP, Kubal C, Biesterveld BE, Foley DP, Maeda M, Nguyen MH, Elinoff B, Humar A, Moris D, Sudan D, Klein J,

Emamaullee J, Agopian V, Vagefi PA, Dualeh SHA, Sonnenday CJ, Sapisochin G, Aucejo FN, Maithel SK.

Ann Surg Oncol. 2024 Aug 22. Epub ahead of print.

[PubMed ID: [39172301](#)]

LCP-tacrolimus requires a similar empiric dose adjustment to immediate-release tacrolimus when given concomitantly with letermovir for cytomegalovirus primary prophylaxis.

Descourouez JL, Mandelbrot DA, Odorico J, Jorgenson MR.

Ann Pharmacother. 2024 Aug;58(8):870-871. Epub 2023 Oct 27.

[PubMed ID: [37887433](#)]

Real-world experience with CMV inSIGHT T cell immunity testing in high-risk kidney and pancreas transplant recipients.

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

Ann Pharmacother. 2024 Aug;58(8):796-802. Epub 2023 Oct 28.

[PubMed ID: [37897238](#)]

Single cell RNA-sequencing identifies the effect of normothermic ex vivo liver perfusion on liver-resident T cells.

Al-Adra D, Lan R, Jennings H, Weinstein KN, Liu Y, Verhoven B, Zeng W, Heise G, Levitsky M, Chlebeck P, Liu YZ.

Transpl Immunol. 2024 Oct;86:102104. Epub 2024 Aug 13.

[PubMed ID: [39128812](#)]

Waitlist outcomes for exception and non-exception liver transplant candidates in the United States following implementation of the Median MELD at Transplant (MMaT)/250-mile Policy.

Ishaque T, Beckett J, Gentry S, Garonzik-Wang J, Karhadkar S, Lonze BE, Halazun KJ, Segev D, Massie AB.

Transplantation. 2024 Aug 1;108(8):e170-e180. Epub 2024 Mar 29.

[PubMed ID: [38548691](#)]

VASCULAR SURGERY

Best Case/Worst Case-ICU: Protocol for a multisite, stepped-wedge, randomised clinical trial of scenario planning to improve communication in the ICU in US trauma centres for older adults with serious injury.

Stalter L, Hanlon BM, Bushaw KJ, Kwekkeboom KL, Zelenski A, Fritz M, Buffington A, Stein DM, Cocanour CS, Robles AJ, Jansen J, Brasel K, O'Connell KM, Cipolle MD, Ayoung-Chee P, Morris R, Gelbard RB, Kozar RA, Lueckel S, Schwarze M.

BMJ Open. 2024 Aug 28;14(8):e083603.

[PubMed ID: [39209498](#)]

Systems forces leading to feeding tube placement in patients with advanced dementia: A qualitative exploration of clinical momentum.

Zaza SI, Jacobson N, Buffington A, Dudek A, Haug K, Bradley T, Bushaw KJ, Kalbfell EL, Kwekkeboom K, Schwarze ML.

J Palliat Med. 2024 Aug;27(8):993-1000. Epub 2024 Jul 31.

[PubMed ID: [39083427](#)]
