



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

OCTOBER 2023 PUBLICATIONS

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

CROSS-DIVISION COLLABORATIONS

Congenital absence of tracheal rings: A video case report.

Angeles C, Kille T, Hermesen JL, DeCamp MM, Anagnostopoulos PV.

JTCVS Tech. 2023 Jul 22;21:184-187.

[PubMed ID: [37854825](#)]

Perinatal airway management in neonatal goiter: A healthcare cost and utilization project (HCUP) kids' inpatient database analysis.

Matabele MN, Cheng C, Venkatesh M, Barr S, Ellefson J, Beninati M, Lobeck IN, Puricelli MD.

Int J Pediatr Otorhinolaryngol. 2023 Dec;175:111767. Epub 2023 Oct 31.

[PubMed ID: [37931498](#)]

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 JA, Tignanelli CJ, Werner NL, Kasotakis G, Mandell SP, Glass NE, Dries DJ, Costantini TW, Napolitano LM.

J Trauma Acute Care Surg. 2023 Oct 1;95(4):592-602. Epub 2023 Jun 12.

[PubMed ID: [37314843](#)]

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](#)]

Utility of the healthy aging brain care monitor as a patient-reported symptom monitoring tool in older injury survivors.

Fuchita M, Perkins A, Holler E, Globler N, Lasiter S, Mohanty S, Ortiz D, Gao S, French DD, Boustani M, Zarzaur BL.
J Surg Res. 2023 Oct;290:83-91. Epub 2023 May 22.
[PubMed ID: [37224608](#)]

CARDIOTHORACIC SURGERY

Lung transplantation from hepatitis C+ donor lungs: Reassuring midterm outcomes.

Kim ST, Xia Y, Ho JK, Lowery E, McCarthy DP, Ardehali A.
J Heart Lung Transplant. 2023 Oct 20:S1053-2498(23)02078-8. Epub ahead of print.
[PubMed ID: [37866469](#)]

Risk of hypovitaminosis and vitamin C deficiency in pediatric patients undergoing cardiopulmonary bypass.

Al-Subu AM, Long MT, Nelson KL, Amond KL, Lasarev MR, Ferrazzano PA, Lushaj EB, Anagnostopoulos PV.
Pediatr Cardiol. 2023 Oct;44(7):1487-1494. Epub 2023 Jul 27.
[PubMed ID: [37498330](#)]

COLORECTAL SURGERY

Preclinical models of anal cancer combined-modality therapy.

Johnson HR, Gunder LC, Gillette A, Sleiman H, Rademacher BL, Meske LM, Culberson WS, Micka JA, Favreau P, Yao E, Matkowskyj KA, Skala MC, Carchman EH.
J Surg Res. 2023 Oct 19;294:82-92. Epub ahead of print.
[PubMed ID: [37864962](#)]

MINIMALLY INVASIVE SURGERY

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

Parmasad V, Keating J, McKinley L, Evans C, Rubin M, Voils C, Safdar N.
Am J Infect Control. 2023 Oct;51(10):1124-1131. Epub 2023 Mar 26.
[PubMed ID: [36977453](#)]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

Factors associated with otolaryngologists performing tracheotomy.

Soliman SI, Panuganti BA, Francis DO, Pang J, Klebaner D, Asturias A, Alattar A, Wood S, Terry M, Bryson PC, Tipton CB, Zhao EE, O'Rourke A, Santa Maria C, Grimm DR, Sung CK, Lao WP, Thompson JM, Crawley BK, Rosen S, Berezovsky A, Kupfer R, Hennesy TB, Clary M, Joseph IT, Sarhadi K, Kuhn M, Abdel-Aty Y, Kennedy MM, Lott DG, Weissbrod PA.
JAMA Otolaryngol Head Neck Surg. 2023 Oct 5:e232698. Epub ahead of print.
[PubMed ID: [37796485](#)]

Intraoperative neural monitoring during head and neck surgery in patients with concern for cervical spine instability.

Matabele MN, Kille TL, Gorelik M, Van Beek-King J, Legare JM, Stadler JA 3rd, Iskandar BJ, Wheeler BJ, Puricelli MD.

Int J Pediatr Otorhinolaryngol. 2023 Dec;175:111749. Epub 2023 Oct 6.

[PubMed ID: [37839292](#)]

Modified laryngeal forceps for arytenoid cartilage dislocation caused by endotracheal intubation: A retrospective case-control pilot study.

Lou Z, Li X, Jiang JJ, Lin Z.

Ear Nose Throat J. 2023 Oct 16:1455613231205529. Epub ahead of print.

[PubMed ID: [37840263](#)]

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 Oct;38(5):1382-1397. Epub 2023 Mar 22.

[PubMed ID: [36949296](#)]

PEDIATRIC SURGERY

Reducing unnecessary oophorectomies for benign ovarian neoplasms in pediatric patients.

Minnecci PC, Bergus KC, Lutz C, Aldrink J, Bence C, Breech L, Dillon PA, Downard C, Ehrlich PF, Fallat M, Fraser JD, Grabowski J, Helmrath M, Hertweck P, Hewitt G, Hirschl RB, Kabre R, Lal DR, Landman M, Leys C, Mak G, Markel T, Pressey J, Raiji M, Rymeski B, Saito J, Sato TT, St Peter SD, Cooper J, Deans K; Midwest Pediatric Surgery Consortium.

JAMA. 2023 Oct 3;330(13):1247-1254.

[PubMed ID: [37787794](#)]

PLASTIC SURGERY

Evaluation of a full-time microsurgeon educator on resident training, research collaboration, and grant funding.

Donnelly DT, Nicksic PJ, Zeng W, Dingle AM, Poore SO.

J Reconstr Microsurg. 2023 Oct;39(8):648-654. Epub 2023 Apr 11.

[PubMed ID: [37040796](#)]

Invited discussion on: Serial comparison of patient-reported outcomes of immediate breast reconstruction: Direct-to-implant versus deep inferior epigastric perforator flap.

Maisner RS, Afifi AM.

Aesthetic Plast Surg. 2023 Oct 16. Epub ahead of print.

[PubMed ID: [37845549](#)]

Social media popularity and academic productivity in academic plastic surgery: A positive correlation.

Mueller AM, Wood Matabele KL, Edalatpour A, Marks JM, Afifi AM.

Aesthetic Plast Surg. 2023 Oct;47(5):2150-2158. Epub 2023 Aug 31.

[PubMed ID: [37653180](#)]

Trigeminal or peripheral nerve stimulation improves functional outcomes of nerve recovery in a rodent forelimb gap repair model.

Nicksic PJ, Donnelly DT, Zeng W, Seitz AJ, Poore SO, Suminski AJ, Dingle AM.
J Plast Reconstr Aesthet Surg. 2023 Oct 29;88:57-65. Epub ahead of print.
[PubMed ID: [37952438](#)]

SURGICAL ONCOLOGY

A combined DNA/RNA-based next-generation sequencing platform to improve the classification of pancreatic cysts and early detection of pancreatic cancer arising from pancreatic cysts.

Nikiforova MN, Wald AI, Spagnolo DM, Melan MA, Grupillo M, Lai YT, Brand RE, O'Broin-Lennon AM, McGrath K, Park WG, Pfau PR, Polanco PM, Kubiliun N, DeWitt J, Easler JJ, Dam A, Mok SR, Wallace MB, Kumbhari V, Boone BA, Marsh W, Thakkar S, Fairley KJ, Afghani E, Bhat Y, Ramrakhiani S, Nasr J, Skef W, Thiruvengadam NR, Khalid A, Fasanella K, Chennat J, Das R, Singh H, Sarkaria S, Slivka A, Gabbert C, Sawas T, Tielleman T, Vanderveldt HD, Tavakkoli A, Smith LM, Smith K, Bell PD, Hruban RH, Paniccia A, Zureikat A, Lee KK, Ongchin M, Zeh H, Minter R, He J, Nikiforov YE, Singhi AD.

Ann Surg. 2023 Oct 1;278(4):e789-e797. Epub 2023 May 22.
[PubMed ID: [37212422](#)]

Association of neighborhood disadvantage with short- and long-term outcomes after pancreatectomy for pancreatic ductal adenocarcinoma.

Marcinak CT, Praska CE, Vidri RJ, Taylor AK, Krebsbach JK, Ahmed KS, LoConte NK, Varley PR, Afshar M, Weber SM, Abbott DE, Mathew J, Murtaza M, Burkard ME, Churpek MM, Zafar SN.
Ann Surg Oncol. 2023 Oct 2. Epub ahead of print.
[PubMed ID: [37782415](#)]

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](#)]

Enhancing the value of surgical entrustable professional activities through integrative learning analytics.

Krecko LK, Jung S, Martin S, Krebsbach C, Rosser AA, Stahl C, Varley P, Greenberg J, Minter RM.
J Surg Educ. 2023 Oct;80(10):1370-1377. Epub 2023 Aug 17.
[PubMed ID: [37596105](#)]

Implementation of entrustable professional activities in general surgery: Results of a national pilot study.

Brasel KJ, Lindeman B, Jones A, Sarosi GA, Minter R, Klingensmith ME, Whiting J, Borgstrom D, Buyske J, Mellinger JD.
Ann Surg. 2023 Oct 1;278(4):578-586. Epub 2023 Jul 13.
[PubMed ID: [37436883](#)]

Weekend discharge is not associated with increased readmission after hyperthermic intraperitoneal chemotherapy.

Florissi I, Radomski SN, Shou B, Cloyd JM, Kim A, Grotz T, Fournier K, Baumgartner JM, Lambert L, Abbott DE, Schwartz P, Staley CA, Clarke C, Dineen S, Patel SH, Wilson GC, Raoof M, Johnston FM, Greer JB.
J Surg Res. 2023 Oct 6;293:403-412. Epub ahead of print.
[PubMed ID: [37806228](#)]

TRANSPLANTATION

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](#)]

BANFF 2022 pancreas transplantation multidisciplinary report: Refinement of guidelines for TCMR, AMR, islet and non-rejection pathologies. Assessment of duodenal cuff biopsies and non-invasive diagnostic methods.

Drachenberg CB, Buettner-Herold M, Aguiar PV, Horsfield C, Mikhailov AV, Papadimitriou JC, Seshan SV, Perosa M, Boggi U, Uva P, Rickels M, Grzyb K, Arend L, Cuatrecasas M, Toniolo MF, Farris AB, Renaudin K, Zhang L, Roufousse C, Gruessner A, Gruessner R, Kandaswamy R, White S, Burke G, Cantarovitch D, Parsons RF, Cooper M, Kudva YC, Kukla A, Haririan A, Parajuli S, Merino-Torres JF, Argente-Pla M, Meier R, Dunn T, Ugarte R, Rao JS, Vistoli F, Stratta R, Odorico J.

Am J Transplant. 2023 Oct 21:S1600-6135(23)00801-8. Epub ahead of print.

[PubMed ID: [37871799](#)]

Design and testing of a humanized porcine donor for xenotransplantation.

Anand RP, Layer JV, Heja D, Hirose T, Lassiter G, Firl DJ, Paragas VB, Akkad A, Chhangawala S, Colvin RB, Ernst RJ, Esch N, Getchell K, Griffin AK, Guo X, Hall KC, Hamilton P, Kalekar LA, Kan Y, Karadagi A, Li F, Low SC, Matheson R, Nehring C, Otsuka R, Pandelakis M, Policastro RA, Pols R, Queiroz L, Rosales IA, Serkin WT, Stiede K, Tomosugi T, Xue Y, Zentner GE, Angeles-Albores D, Chris Chao J, Crabtree JN, Harken S, Hinkle N, Lemos T, Li M, Pantano L, Stevens D, Subedar OD, Tan X, Yin S, Anwar IJ, Aufhauser D, Capuano S, Kaufman DB, Knechtle SJ, Kwun J, Shanmuganayagam D, Markmann JF, Church GM, Curtis M, Kawai T, Youd ME, Qin W.

Nature. 2023 Oct;622(7982):393-401. Epub 2023 Oct 11.

[PubMed ID: [37821590](#)]

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. 2023 Oct 27:10600280231208430. Epub ahead of print.

[PubMed ID: [37887433](#)]

Organ procurement using normothermic regional perfusion.

Wall AE, Thiessen C, Pomfret EA.

JAMA. 2023 Oct 10;330(14):1390.

[PubMed ID: [37815571](#)]

Preserved 2-y liver transplant outcomes following simultaneous thoracoabdominal DCD organ procurement despite effects on liver utilization rate.

Wisel SA, Steggerda JA, Thiessen C, Roll GR, Chen Q, Thomas J, Kaur B, Catarino P, Chikwe J, Kim IK.

Transplant Direct. 2023 Oct 20;9(11):e1528.

[PubMed ID: [37876918](#)]

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. 2023 Oct 28;10600280231207899. Epub ahead of print.
[PubMed ID: [37897238](#)]

VASCULAR SURGERY

Innovations in surgical communication-Provide your opinion, don't hide it.

Haug KL, Clapp JT, Schwarze ML.
JAMA Surg. 2023 Oct 1;158(10):993-994. Epub 2023 Aug 2.
[PubMed ID: [37531127](#)]

Innovations in surgical communication 2-Focus on the goals of surgery.

Schwarze ML, Kruser JM, Clapp JT.
JAMA Surg. 2023 Oct 1;158(10):994-996. Epub 2023 Aug 9.
[PubMed ID: [37556129](#)]

Innovations in surgical communication 3-Promote deliberation, not technical education.

Schwarze ML, Clapp J, Arnold RM.
JAMA Surg. 2023 Oct 1;158(10):996-998. Epub 2023 Aug 16.
[PubMed ID: [37585186](#)]

Innovations in surgical communication 4-Present the downsides of surgery, not just risks.

Zaza SI, Arnold RM, Schwarze ML.
JAMA Surg. 2023 Oct 1;158(10):998-1000. Epub 2023 Aug 23.
[PubMed ID: [37610756](#)]

Palliative care training in pediatric nephrology fellowship: A cross-sectional survey.

House TR, Wightman A, Smith J, Schwarze M, Bradford MC, Rosenberg AR.
Kidney360. 2023 Oct 1;4(10):1437-1444. Epub 2023 Aug 2.
[PubMed ID: [37531201](#)]

Stretchable piezoelectric biocrystal thin films.

Li J, Carlos C, Zhou H, Sui J, Wang Y, Silva-Pedraza Z, Yang F, Dong Y, Zhang Z, Hacker TA, Liu B, Mao Y, Wang X.
Nat Commun. 2023 Oct 17;14(1):6562.
[PubMed ID: [37848410](#)]
