



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

AUGUST 2023 PUBLICATIONS

Congratulations to all department members whose research was published in August 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](#)]

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 subanalysis.

Savage SA, Zarzaur BL, Fox EE, Wade CE, Carney PR, Do TV, Holcomb JB.

J Am Coll Surg. 2023 Aug 1;237(2):259-269. Epub 2023 Mar 15.

[PubMed ID: [36919936](#)]

American Association for the Surgery of Trauma/American College of Surgeons - Committee on Trauma clinical consensus-driven protocol for glucose management in the post-resuscitation intensive care unit (ICU) adult trauma patient.

Jacovides CL, Skeete DA, Werner NL, Toschlog EA, Agarwal S, Coopwood B, Crandall M, Tominaga GT.

J Trauma Acute Care Surg. 2023 Aug 8. Epub ahead of print.

[PubMed ID: [37561094](#)]

Catastrophic health expenditure in nonneurological injury due to motor vehicle crash.

Nishtala MV, Reed M, Schumacher J, Hanlon B, Venkatesh M, Collins M, Zarzaur BL.

J Trauma Acute Care Surg. 2023 Aug 1;95(2):172-180. Epub 2023 May 1.

[PubMed ID: [37125834](#)]

The good, the bad, and the ugly: Operative staff perspectives of surgeon coping with intraoperative errors.

D'Angelo AD, Kapur N, Kelley SR, Rivera M, Busch RA, Tevis SE, Hoedema RE, D'Angelo JD.

Surgery. 2023 Aug;174(2):222-228. Epub 2023 May 13.
[PubMed ID: [37188581](#)]

Who places feeding tubes and in what scenario?

Shah A, Busch RA, Koepsel EK, Eisa M, Woods M, Palchaudhuri S.
Curr Gastroenterol Rep. 2023 Aug;25(8):175-181. Epub 2023 Jul 14.
[PubMed ID: [37452152](#)]

CARDIOTHORACIC SURGERY

Characteristics and outcomes of lung transplants performed with ex-situ lung perfusion.

Xia Y, Kim ST, Dacey M, Sayah D, Biniwale R, Ardehali A.
J Heart Lung Transplant. 2023 Aug 27:S1053-2498(23)02000-4. Epub ahead of print.
[PubMed ID: [37643655](#)]

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, Leverson G, Cherney-Stafford L, Striker R, Sanger CB.
Ann Surg Oncol. 2023 Aug;30(8):4737-4743. Epub 2023 Mar 4.
[PubMed ID: [36869915](#)]

Respiratory musculature evaluated by computed tomography in the setting of prolonged mechanical ventilation.

Wakefield CJ, Jochum SB, Hejna EE, Peterson SB, Vines DL, Shah PN, Hayden DM, Balk RA.
Respir Care. 2023 Aug;68(8):1106-1111. Epub 2023 Apr 25.
[PubMed ID: [37185112](#)]

ENDOCRINE SURGERY

Can we improve the quality of quality improvement?

Balentine C.
JAMA Surg. 2023 Aug 23. Epub ahead of print.
[PubMed ID: [37610763](#)]

MINIMALLY INVASIVE SURGERY

A review of implementation intentions as a tool to benefit high-need patients and healthcare systems: U.S. veterans affairs as an exemplar.

Wright CE, Sheeran P, Voils CI, Blalock DV.
Patient Educ Couns. 2023 Aug 9;116:107937. Epub ahead of print.
[PubMed ID: [37595504](#)]

Comparison of weight captured via electronic health record and cellular scales to the gold-standard clinical method.

Gavin KL, Almeida EJ, Voils CI, Crane MM, Shaw R, Yancy WS Jr, Pendergast J, Olsen MK.
Obes Sci Pract. 2023 Jan 12;9(4):337-345.
[PubMed ID: [37546286](#)]

Emerging from the pandemic: How has academic surgery changed?

Choi PM, Lillemoe KD, Tseng JF, Mammen JMV, Nelles ME, Dossett LA, Funk LM.
J Surg Res. 2023 Aug;288:188-192. Epub 2023 Apr 3.
[PubMed ID: [37018895](#)]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

5-aminolevulinic acid-mediated photodynamic therapy improves vocal fold wound healing in rats.

Zhang C, Pang W, Gong T, Jiang JJ, Silverman M, Li G.
Laryngoscope. 2023 Aug;133(8):1943-1951. Epub 2022 Oct 24.
[PubMed ID: [36278803](#)]

Age-related sex differences in tongue strength and muscle morphometry in a rat model.

Rohl AH, Connor NP, Russell JA.
Arch Oral Biol. 2023 Aug 1;155:105779. Epub ahead of print.
[PubMed ID: [37556980](#)]

Bioenergetic evaluation of muscle fatigue in murine tongue.

Glass TJ, Rowe LM, Cullen J, Connor NP.
Dysphagia. 2023 Aug;38(4):1039-1048. Epub 2022 Nov 19.
[PubMed ID: [36401630](#)]

Clinical profiles of children and adolescents with induced laryngeal obstruction (ILO) and exercise induced laryngeal obstruction (EILO).

Fujiki RB, Olson-Greb B, Thibeault SL.
Ann Otol Rhinol Laryngol. 2023 Aug 3;34894231190842. Epub ahead of print.
[PubMed ID: [37534611](#)]

Concerns over diagnostic accuracy of fine-needle biopsy in thyroid nodule diagnosis-Reply.

Hsiao V, Fernandes-Taylor S, Francis DO.
JAMA Surg. 2023 Aug 1;158(8):889-890.
[PubMed ID: [37043230](#)]

Introduction of voice type component (VTC) as an effective acoustic voice analysis method in tele-evaluation.

Liu B, Hao G, Cui Y, Fang J, Ji M, Wu J, Jiang J, Shao J, Liu H.
J Voice. 2023 Aug 4:S0892-1997(23)00215-1. Epub ahead of print.
[PubMed ID: [37544815](#)]

Marrow-derived autologous stromal cells for the restoration of salivary hypofunction (MARSH): A pilot, first-in-human study of interferon gamma-stimulated marrow mesenchymal stromal cells for treatment of radiation-induced xerostomia.

Blitzer GC, Glazer T, Burr A, Gustafson S, Ganz O, Meyers R, McDowell KA, Nickel KP, Mattison RJ, Weiss M, Chappell R, Rogus-Pulia NM, Galipeau J, Kimple RJ.
Cytotherapy. 2023 Aug 14:S1465-3249(23)01010-1. Epub ahead of print.
[PubMed ID: [37589639](#)]

Prodromal Parkinson disease signs are predicted by a whole-blood inflammatory transcriptional signature in young Pink1^{-/-} rats.

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

Res Sq [Preprint]. 2023 Aug 25;rs.3.rs-3269607.

[PubMed ID: [37674708](#)]

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](#)]

Single-cell lipidomics enabled by dual-polarity ionization and ion mobility-mass spectrometry imaging.

Zhang H, Liu Y, Fields L, Shi X, Huang P, Lu H, Schneider AJ, Tang X, Puglielli L, Welham NV, Li L.

Nat Commun. 2023 Aug 25;14(1):5185.

[PubMed ID: [37626051](#)]

The manometric representation of the upper esophageal sphincter during the resting state: A descriptive study.

Colevas SM, Stalter LN, Jones CA, McCulloch TM.

Dysphagia. 2023 Aug 24. Epub ahead of print.

[PubMed ID: [37620520](#)]

Ultrasonic vocalization phenotypes in the Ts65Dn and Dp(16)1Yey mouse models of Down syndrome.

Glass TJ, Lenell C, Fisher EH, Yang Q, Connor NP.

Physiol Behav. 2023 Aug 11;271:114323. Epub ahead of print.

[PubMed ID: [37573959](#)]

PEDIATRIC SURGERY

Case report: A role for genitourinary reconstruction in locally advanced bilateral Wilm's tumor.

Carey AZ, Le H, Farhat WA, Bhatia V.

Urology. 2023 Aug 7:S0090-4295(23)00663-5. Epub ahead of print.

[PubMed ID: [37557921](#)]

PLASTIC SURGERY

Expanding our role in headache management: A systematic review and algorithmic approach to surgical management of postcraniotomy headache.

Shaffrey EC, Seitz AJ, Albano NJ, Israel JS, Afifi AM.

Ann Plast Surg. 2023 Aug 1;91(2):245-256.

[PubMed ID: [37489966](#)]

Invited discussion on: "The partner perspective on autologous and implant-based breast reconstruction".

Afifi AM, Smith RM.

Aesthetic Plast Surg. 2023 Aug;47(4):1332-1334. Epub 2023 Apr 25.

[PubMed ID: [37097453](#)]

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 Aug 31. Epub ahead of print.

[PubMed ID: [37653180](#)]

The impact of neighborhood and socioeconomic disparities on distal radius fracture follow-up adherence: A retrospective cohort study.

Moura SP, McLaughlin MT, Gowda M, Shaffrey EC, Edalatpour A, Chu DY, Michelotti BF.

Plast Reconstr Surg. 2023 Aug 11. Epub ahead of print.

[PubMed ID: [37566490](#)]

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 Aug 17;43(9):1036-1045.

[PubMed ID: [36947151](#)]

SURGICAL ONCOLOGY

A retrospective cohort study to evaluate adding biomarkers to the risk analysis index of frailty.

Estock JL, Pandalai PK, Johanning JM, Youk AO, Varley PR, Arya S, Massarweh NN, Hall DE.

J Surg Res. 2023 Aug 22;292:130-136. Epub ahead of print.

[PubMed ID: [37619497](#)]

Accuracy of models to prognosticate survival after surgery for pancreatic cancer in the era of neoadjuvant therapy.

Marcinak CT, Parker WF, Parikh AA, Datta J, Maithel SK, Kooby DA, Burkard ME, Kim HJ, LeCompte MT, Afshar M, Churpek MM, Zafar SN.

J Surg Oncol. 2023 Aug;128(2):280-288. Epub 2023 Apr 19.

[PubMed ID: [37073788](#)]

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](#)]

NCCN Guidelines® Insights: Survivorship, version 1.2023.

Sanft T, Day A, Ansbaugh S, Armenian S, Baker KS, Ballinger T, Demark-Wahnefried W, Dickinson K, Fairman NP, Felciano J, Flores TF, Friedman DL, Gabel NM, Goldman M, Henry NL, Hill-Kayser C, Hudson M, Koura D, Lee K, McDonough AL, Melisko M, Mooney K, Moore HCF, Moryl N, Neuman H, O'Connor T, Overholser L, Paskett ED, Patel C, Peterson L, Pirl W, Porpiglia A, Rodriguez MA, Schapira L, Schwartz AL, Smith S, Tevaarwerk A, Yang E, Zee P, McMillian NR, Freedman-Cass DA.

J Natl Compr Canc Netw. 2023 Aug;21(8):792-803.

[PubMed ID: [37549906](#)]

Neighborhood-level socioeconomic disadvantage predicts outcomes in cytoreductive surgery and hyperthermic intraperitoneal chemotherapy for peritoneal malignancy.

Winicki NM, Radomski SN, Florissi IS, Cloyd JM, Gutta G, Grotz TE, Scally CP, Fournier KF, Dineen SP, Powers BD, Veerapong J, Baumgartner JM, Clarke CN, Kothari AN, Maduekwe UN, Patel SH, Wilson GC, Schwartz P, Varley PR, Raoof M, Lee B, Malik I, Johnston FM, Greer JB.

Ann Surg Oncol. 2023 Aug 24. Epub ahead of print.

[PubMed ID: [37620532](#)]

TRANSPLANTATION

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](#)]

Cancer risk following HLA-incompatible living donor kidney transplantation.

Motter JD, Massie AB, Garonzik-Wang JM, Pfeiffer RM, Yu KJ, Segev DL, Engels EA. Transplant Direct. 2023 Jul 21;9(8):e1505.

[PubMed ID: [37492080](#)]

Dual-organ transplantation: Indications, evaluation, and outcomes for heart-kidney and heart-liver transplantation: A scientific statement from the American Heart Association.

Kittleson MM, Sharma K, Brennan DC, Cheng XS, Chow SL, Colvin M, DeVore AD, Dunlay SM, Fraser M, Garonzik-Wang J, Khazanie P, Korenblat KM, Pham DT; American Heart Association Heart Failure and Transplantation Committee of the Council on Clinical Cardiology; Council on the Kidney in Cardiovascular Disease; Council on Cardiovascular Surgery and Anesthesia; Council on Cardiovascular and Stroke Nursing; Council on Quality of Care and Outcomes Research; and Council on Lifelong Congenital Heart Disease and Heart Health in the Young.

Circulation. 2023 Aug 15;148(7):622-636. doi: Epub 2023 Jul 13. Erratum in: Circulation. 2023 Aug 15;148(7):e6.

[PubMed ID: [37439224](#)]

Five critical gene-based biomarkers with optimal performance for hepatocellular carcinoma.

Liu Y, Zhang H, Xu Y, Liu YZ, Al-Adra DP, Yeh MM, Zhang Z. Cancer Inform. 2023 Aug 9;22:11769351231190477.

[PubMed ID: [37577174](#)]

In memory of Dr. Hans Sollinger.

McCune K, Odorico J, D'Alessandro A.

Clin Transplant. 2023 Aug;37(8):e15042. Epub 2023 May 31.

[PubMed ID: [37256784](#)]

VASCULAR SURGERY

Analysis of repair type and hypogastric artery antegrade perfusion and erectile function following repair of abdominal aortic aneurysms.

Bennett KM, Hurley L, Kyriakides TC, Matsumura JS; OVER Investigator Group. Ann Vasc Surg. 2023 Aug;94:186-194. Epub 2023 May 8.

[PubMed ID: [37164171](#)]

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

Haug KL, Clapp JT, Schwarze ML.

JAMA Surg. 2023 Aug 2. Epub ahead of print.

[PubMed ID: [37531127](#)]

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

Schwarze ML, Kruser JM, Clapp JT.

JAMA Surg. 2023 Aug 9. Epub ahead of print.

[PubMed ID: [37556129](#)]

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

Schwarze ML, Clapp J, Arnold RM.

JAMA Surg. 2023 Aug 16. Epub ahead of print.

[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 Aug 23. Epub ahead of print.

[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 Aug 2. Epub ahead of print.

[PubMed ID: [37531201](#)]

OTHER

Engaging the entire learner: Pathway program administrators' experiences of providing students with research experiences in academic medicine.

Jung S, Rosser AA, Alagoz E.

J Med Educ Curric Dev. 2023 Aug 1;10:23821205231189981.

[PubMed ID: [37538106](#)]