



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

NOVEMBER 2024 PUBLICATIONS

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

CROSS-DIVISION COLLABORATIONS

Editorial: Neural interfaces for sensory input.

Dingle AM, Torres EB, Brant JA, Adewole DO.

Front Neurosci. 2024 Nov 22;18:1515353. doi: 10.3389/fnins.2024.1515353.

[PubMed ID: [39649664](#); PMCID: PMC11621755]

"So, what are you saying?": A qualitative study of surgeon-patient communication in the rectal cancer consultations.

Fritz ML, Sommovilla J, Lawson EH, Zelenski AB, Schwarze ML, De Roo AC.

Am J Surg. 2024 Nov 26;240:116115. doi: 10.1016/j.amjsurg.2024.116115. Epub ahead of print.

[PubMed ID: [39657331](#)]

ACUTE CARE AND REGIONAL GENERAL SURGERY

A phase 3b, open-label, single-arm, multicenter, expanded-access study of the safety and clinical outcomes of StrataGraft® treatment in adults with deep partial-thickness thermal burns.

Holmes Iv JH, Gibson ALF, Short T, Joe VC, Litt J, Carson J, Carter JE, Wibbenmeyer L, Hahn H, Smiell JM, Rutan R, Wu R, Shupp JW.

Burns. 2024 Nov;50(8):2013-2022. doi: 10.1016/j.burns.2024.05.023. Epub 2024 Jun 6.

[PubMed ID: [39043513](#)]

Agile monitoring dashboard for clinical research studies.

Gardner L, Bylund P, Robbins S, Holler E, Shojaei F, Shojaei F, Seidman M, Holden RJ, Fowler NR, Zarzaur B, Barboi C, Boustani M.

Trials. 2024 Nov 29;25(1):802. doi: 10.1186/s13063-024-08646-0.

[PubMed ID: [39609928](#); PMCID: PMC11606209]

Approach to postpancreatectomy care impacts outcomes: Retrospective validation of the PORSCH trial.

Bloomfield GC, Radkani P, Nigam A, Namgoong J, Chou J, Park BU, Fishbein TM, Winslow ER.

Am J Surg. 2024 Nov;237:115765. doi: 10.1016/j.amjsurg.2024.05.006. Epub 2024 May 18.

[PubMed ID: [38782685](#)]

Impact of prior cholecystectomy on diagnosis and outcomes of choledochal cyst resection in adults.

Nigam A, Bloomfield GC, Boumezrag M, Ali SM, Kwon D, Jha RC, Fishbein TM, Radkani P, Winslow ER.

Am J Surg. 2024 Nov 14;240:116088. doi: 10.1016/j.amjsurg.2024.116088. Epub ahead of print.

[PubMed ID: [39577120](#)]

Main versus segmental hepatic artery angioembolization in patients with traumatic liver injuries: A Western Trauma Association multicenter study.

Nguyen PD, Nahmias J, Aryan N, Samuels JM, Cripps M, Carmichael H, McIntyre R Jr, Urban S, Burlew CC, Velopulos C, Ballow S, Dirks RC, Spalding MC, LaRiccia 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 TCP, 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, Grigorian A.

Surgery. 2024 Nov 8:S0039-6060(24)00884-5. doi: 10.1016/j.surg.2024.10.002. Epub ahead of print.

[PubMed ID: [39521628](#)]

Observation-first versus angioembolization-first approach in stable patients with blunt liver trauma: A WTA multicenter study.

Nguyen PD, Nahmias J, Aryan N, Samuels JM, Cripps M, Carmichael H, McIntyre R Jr, Urban S, Burlew CC, Velopulos C, Ballow S, Dirks RC, Spalding MC, LaRiccia 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, Grigorian A.

J Trauma Acute Care Surg. 2024 Nov 1;97(5):764-769. doi: 10.1097/TA.0000000000004372. Epub 2024 May 27.

[PubMed ID: [39443838](#)]

What is slough? Defining the proteomic and microbial composition of slough and its implications for wound healing.

Townsend EC, Cheong JZA, Radzietza M, Fritz B, Malone M, Bjarnsholt T, Ousey K, Swanson T, Schultz G, Gibson ALF, Kalan LR.

Wound Repair Regen. 2024 Nov-Dec;32(6):783-798. doi: 10.1111/wrr.13170. Epub 2024 Apr 1.

[PubMed ID: [38558438](#); PMCID: PMC11442687]

CARDIOTHORACIC SURGERY

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

Xia Y, Ardehali A.

J Heart Lung Transplant. 2024 Nov;43(11):1918. doi: 10.1016/j.healun.2024.07.016. Epub 2024 Jul 26.

[PubMed ID: [39069160](#)]

Multidisciplinary management of adult patients with chylothorax: A consensus statement.

Agrawal A, Chaddha U, Shojaee S, Nadolski G, Liberman M, Lee YCG, Rahman N, Reisenauer JS, Ferguson MK, DeCamp MM, Gillaspie EA, Bedawi EO, Currie B, Feller-Kopman DJ, Desai A, Yasufuku K, Bishay V, Gesthalter Y, Grosu H, Chick JFB, Lentz R, Kolli KP, Kaufman A, Mehta RM, Desai K, Davis H, Ghori UK, Maldonado F.

Eur Respir J. 2024 Nov 7;64(5):2400470. doi: 10.1183/13993003.00470-2024.

[PubMed ID: [39326915](#)]

Treating deep sternal wound infection with pectoralis major flap transposition: A systemic factor analysis of efficacy and safety.

Hu Q, Wu K, Chen Z, Goia AA, Maloney CJ, Maloney JD, Zhang H.

J Thorac Dis. 2024 Nov 30;16(11):7807-7818. doi: 10.21037/jtd-24-1490. Epub 2024 Nov 29.

[PubMed ID: [39678841](#); PMCID: PMC11635220]

COLORECTAL SURGERY

Anal cancer prevention: A field in need of scientific advancement.

Carchman E, Sanger CB.

Virology. 2025 Jan;602:110323. doi: 10.1016/j.virol.2024.110323. Epub 2024 Nov 29.

[PubMed ID: [39622097](#)]

Barriers to colonoscopy quality measurement in rural Wisconsin.

Schumacher JR, Weiss JM, Ties JS, Kitowski NJ, Levin JP, Gigot M, May JC, Pung DR, Lawson EH.

Dis Colon Rectum. 2024 Nov 12. doi: 10.1097/DCR.0000000000003528. Epub ahead of print.

[PubMed ID: [39530524](#)]

Improving surgical outcomes for older adults with adoption of technological advances in comprehensive geriatric assessment.

Tan SF, Cher B, Berian JR.

Semin Colon Rectal Surg. 2024 Dec;35(4):101060. doi: 10.1016/j.scrs.2024.101060. Epub 2024 Nov 6.

[PubMed ID: [39669478](#); PMCID: PMC11633772]

ENDOCRINE SURGERY

Equivalent pain and opioid use between transabdominal and retroperitoneal adrenalectomy.

Haskins L, Tobin N, Reineman E, Sippel R, Schneider D, Long K, Elfenbein D, Balentine C, Chiu A.

J Surg Res. 2024 Dec;304:173-180. doi: 10.1016/j.jss.2024.10.009. Epub 2024 Nov 15.

[PubMed ID: [39549505](#)]

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. doi: 10.1016/j.amjsurg.2024.115909. Epub 2024 Aug 17.

[PubMed ID: [39213783](#)]

Patient neighborhood adversity associated with access not wait time to parathyroidectomy.

Schears M, Balentine C, Sippel R, Schneider D, Elfenbein D, Long K, Kind A, Chiu A.

J Surg Res. 2024 Nov;303:439-445. doi: 10.1016/j.jss.2024.09.029. Epub 2024 Oct 18.

[PubMed ID: [39426053](#)]

Student and attending preceptor perceptions of longitudinal clinic as a surgical education and assessment tool.

DeLaura I, Rhodin KE, Ladowski J, Howell TC, Migaly J, Vatsaas C, Elfenbein DM, Tracy E.

J Surg Res. 2024 Dec;304:264-272. doi: 10.1016/j.jss.2024.10.019. Epub 2024 Nov 20.

[PubMed ID: [39571465](#)]

MINIMALLY INVASIVE SURGERY

Laparoscopic transabdominal vs. totally extraperitoneal inguinal hernia repair: Outcomes, healthcare utilization, and cost differences.

Liu N, Stalter LN, Fletcher EL, Lidor AO.

Surg Endosc. 2024 Nov 13. doi: 10.1007/s00464-024-11380-y. Epub ahead of print.

[PubMed ID: [39537862](#)]

Nurse-supported self-directed cognitive behavioral therapy for insomnia: A randomized clinical trial.

Ulmer CS, Voils CI, Jeffreys AS, Olsen M, Zervakis J, Goodwin K, Gentry P, Rose C, Weidenbacher HJ, Beckham JC, Bosworth HB.

JAMA Intern Med. 2024 Nov 1;184(11):1356-1364. doi: 10.1001/jamainternmed.2024.4419.

[PubMed ID: [39250131](#); PMCID: PMC11385341]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

Comprehensive management of chronic ear disease: Consecutive patient analysis at a tertiary children's hospital.

Puricelli MD.

Int J Pediatr Otorhinolaryngol. 2024 Nov;186:112118. doi: 10.1016/j.ijporl.2024.112118. Epub 2024 Sep 25.

[PubMed ID: [39357090](#)]

Differential ultrasound rates mirror sex disparities in thyroid cancer.

Fernandes-Taylor S, Bowles EJA, Venkatesh M, Doud R, Krebsbach C, Arroyo N, Hanlon B, Chen AY, Davies L, Francis DO.

Thyroid. 2024 Dec;34(12):1531-1539. doi: 10.1089/thy.2024.0344. Epub 2024 Nov 28.

[PubMed ID: [39607408](#)]

Do the nonlinear dynamic acoustic measurements, nonlinear energy difference ratio and spectrum convergence ratio, correlate with perceptual evaluation of esophageal voice speakers?

Zhang F, Nguyen DD, Madill C, Zhang Y, Kiehn S, Sun J, Haderlein N, Haines S, Klein L, Li C, Jiang JJ.

J Voice. 2024 Nov;38(6):1278-1287. doi: 10.1016/j.jvoice.2022.06.004. Epub 2022 Jul 9.

[PubMed ID: [35817624](#); PMCID: PMC9825678]

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

Makary CA, Azar A, Gudis D, Crawford A, Hannikainen P, Kim J, Joe S, Kimple AJ, Lam K, Lee JT, Luong AU, Marcus S, McArdle E, Mullings W, Peppers BP, Lewandrowski C, Lin SY, Ramadan HH, Rose AS, Ryan L, Toskala E, Barood FM.

Int Forum Allergy Rhinol. 2024 Nov;14(11):1776-1801. doi: 10.1002/alr.23468. Epub 2024 Oct 15.

[PubMed ID: [39404739](#)]

Impact of obesity on timing of tracheotomy: A multi-institutional retrospective study.

Yousef A, Soliman SI, Solomon I, 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.
Laryngoscope. 2024 Nov;134(11):4674-4681. doi: 10.1002/lary.31586. Epub 2024 Jun 19.
[PubMed ID: [38895915](#)]

Managing the didvult - Autospreaders, spreader grafts or what?

Fedok FG, Robotti E, Marcus B.

Facial Plast Surg Clin North Am. 2024 Nov;32(4):517-532. doi: 10.1016/j.fsc.2024.06.013. Epub 2024 Aug 3.

[PubMed ID: [39341671](#)]

Methylphenidate differentially affects the social ultrasonic vocalizations of wild-type and prodromal Parkinsonian rats.

Lechner SA, Kelm-Nelson CA, Ciucci MR.

Behav Neurosci. 2024 Nov 7. doi: 10.1037/bne0000610. Epub ahead of print.

[PubMed ID: [39509189](#)]

Microbiome and communication disorders: A tutorial for clinicians.

Venkatraman A, Davis R, Tseng WH, Thibeault SL.

J Speech Lang Hear Res. 2024 Nov 21:1-16. doi: 10.1044/2024_JSLHR-24-00436. Epub ahead of print.

[PubMed ID: [39572259](#)]

Photoangiolytic 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 Nov;133(11):921-927. doi: 10.1177/00034894241273280. Epub 2024 Aug 14.

[PubMed ID: [39143656](#)]

Predictors of injection laryngoplasty volume for glottic insufficiency.

Roitman A, Venkatraman A, Thibeault S.

Eur Arch Otorhinolaryngol. 2024 Nov;281(11):5907-5913. doi: 10.1007/s00405-024-08908-2. Epub 2024 Sep 6.

[PubMed ID: [39242408](#); PMCID: PMC11512904]

Recurrent inflammatory reaction to laryngeal hyaluronic acid injection.

Kreuser H, Fletcher KC, Davis RJ.

Ann Otol Rhinol Laryngol. 2024 Nov 30:34894241304489. doi: 10.1177/00034894241304489. Epub ahead of print.

[PubMed ID: [39614754](#)]

Removal of an ingested battery-containing toothbrush that had caused esophageal obstruction in an 11-month-old male.

Ratchford TL, Van Beek-King J, Palm A, McGregor K.

J Pediatr Gastroenterol Nutr. 2024 Nov 1. doi: 10.1002/jpn3.12405. Epub ahead of print.

[PubMed ID: [39487087](#)]

Socioeconomic disparities in the utilization of endoscopic transsphenoidal pituitary surgery: A retrospective analysis of the national inpatient sample.

Elbayomy A, Kim J, Ammanuel S, Mohis M, Koszewski I, Ahmed A.

World Neurosurg. 2024 Nov 20:S1878-8750(24)01915-6. doi: 10.1016/j.wneu.2024.11.055. Epub ahead of print.
[PubMed ID: [39577623](#)]

Submucosal thyroarytenoid myectomy with arytenoidectomy in treating bilateral vocal fold immobility.

Damazo B, Nanda N, Dailey S.
Laryngoscope. 2024 Nov 6. doi: 10.1002/lary.31890. Epub ahead of print.
[PubMed ID: [39503468](#)]

The effect of Mandarin vowels on acoustic analysis: A prospective observational study.

Shu M, Zhang Y, Jiang JJ.
J Voice. 2024 Nov;38(6):1296-1301. doi: 10.1016/j.jvoice.2022.03.028. Epub 2022 May 1.
[PubMed ID: [35508424](#)]

Thyroid malignancies with thymic differentiation: Outcomes of rare SETTLE and CASTLE tumors.

Tapescu I, Kohler A, Sangal NR, Brant JA, Brody RM, Cao T, Carey RM.
Head Neck. 2024 Nov 4. doi: 10.1002/hed.27969. Epub ahead of print.
[PubMed ID: [39497331](#)]

PEDIATRIC SURGERY

Percutaneous puncture of a fetoscopic endoluminal tracheal occlusion balloon.

Monroe EJ, Beninati M, Chapman T, Lobeck I.
J Vasc Interv Radiol. 2024 Nov;35(11):1738-1739. doi: 10.1016/j.jvir.2024.07.021.
[PubMed ID: [39455242](#)]

Prophylactic surgical drain placement with irrigation reduces abscess formation in patients with severe, uncontained, perforated appendicitis.

Stellon MA, Joshi DS, Herberg R, Walker B, Hellner J, Riggle KM, Le HD.
Pediatr Surg Int. 2024 Nov 28;41(1):11. doi: 10.1007/s00383-024-05892-w.
[PubMed ID: [39607567](#)]

Surface rendering of cross-sectional imaging and medical illustration for perinatal planning in conjoined twins.

Luks FI, Monteagudo J, Collins S, Eyerly-Webb SA, Howley LW, Lillegard JB, Lobeck IN, Beninati MJ.
Fetal Diagn Ther. 2024 Nov 19:1-15. doi: 10.1159/000542700. Epub ahead of print.
[PubMed ID: [39561738](#)]

PLASTIC SURGERY

Upper extremity blocks for hand surgeons: A literature review of regional anaesthesia techniques, efficacy, and safety.

Kohan J, Cabanas C, Edalatpour A, Seitz A, Kuei MC, Gander BH.
Plast Surg (Oakv). 2024 Nov;32(4):667-676. doi: 10.1177/22925503231184260. Epub 2023 Jul 4.
[PubMed ID: [39430260](#); PMCID: PMC11489971]

Recent increases in violence against physicians and plastic surgeons.

Fine KS, Attaluri P, Wirth PJ, Shaffrey EC, Rao VK.

SURGICAL ONCOLOGY

A systematic review and meta-analysis of oncologic liver resections in low- and middle-income countries: Opportunities to improve evidence and outcomes.

Khan AH, Mahmud O, Fatimi AS, Ahmed S, Wiener AA, Nishtala MV, Stahl CC, Christensen L, Khan MR, Schwartz PB, Zafar SN.

J Surg Oncol. 2024 Nov 21. doi: 10.1002/jso.27928. Epub ahead of print.

[PubMed ID: [39573859](#)]

Reflections from the Annals of Surgical Oncology Social Media Committee: The impact of promoting surgical science online.

Narayan RR, Fleming AM, Gunder M, Zafar SN, Abdelsattar Z, Bilir E, Tran T, Pu T, Friedman L, McMasters KM, Ahmad SA; Annals of Surgical Oncology Social Media Committee.

Ann Surg Oncol. 2024 Nov 12. doi: 10.1245/s10434-024-16420-4. Epub ahead of print.

[PubMed ID: [39532759](#)]

Society of Surgical Oncology Breast Disease Site Working Group statement on bilateral risk-reducing mastectomy: Indications, outcomes, and risks.

Singh P, Agnese DM, Amin M, Barrio AV, van den Bruele AB, Burke EE, Danforth DN Jr, Dirbas FM, Eladoumikhachi F, Fayanju OM, Kantor O, Kumar S, Lee MC, Matsen C, Nguyen TT, Ozmen T, Park KU, Plichta JK, Reyna C, Showalter SL, Styblo T, Tranakas N, Weiss A, Woodfin A, Laronga C, Boughey JC.

Ann Surg Oncol. 2024 Nov 13. doi: 10.1245/s10434-024-16484-2. Epub ahead of print.

[PubMed ID: [39538100](#)]

TRANSPLANTATION

Donor time to death and kidney transplant outcomes in the setting of a 3-hour minimum wait policy.

Tingle SJ, Chung NDH, Malik AK, Kourounis G, Thompson E, Glover EK, Mehew J, Philip J, Gardiner D, Pettigrew GJ, Callaghan C, Sheerin NS, Wilson CH.

JAMA Netw Open. 2024 Nov 4;7(11):e2443353. doi: 10.1001/jamanetworkopen.2024.43353.

[PubMed ID: [39541122](#); PMCID: PMC11565268]

Just a number? Donor age and (lack of) associated reasons for heart offer refusal.

Bhowmik AC, Wayda B, Luikart H, Weng Y, Zhang S, Wood RP, Nieto J, Groat T, Neidlinger N, Zaroff J, Malinoski D, Khush KK.

J Heart Lung Transplant. 2024 Nov;43(11):1833-1837. doi: 10.1016/j.healun.2024.07.020. Epub 2024 Jul 31.

[PubMed ID: [39089606](#); PMCID: PMC11532008]

Risk factors for early post-transplant weight changes among simultaneous pancreas-kidney recipients and impact on outcomes.

Parajuli S, Tamburrini R, Aziz F, Dodin B, Astor BC, Mandelbrot D, Kaufman D, Odorico J.

Transplant Direct. 2024 Oct 18;10(11):e1720. doi: 10.1097/TXD.0000000000001720.

[PubMed ID: [39440200](#); PMCID: PMC11495727]

Simultaneous en bloc kidney and pancreas transplantation from pediatric donors: Selection, surgical strategy, management, and outcomes.

Tamburrini R, Yang CY, Philip JL, Neidlinger NA, Kaufman DB, Odorico JS.

Am J Transplant. 2024 Nov 19:S1600-6135(24)00704-4. doi: 10.1016/j.ajt.2024.11.016. Epub ahead of print.

[PubMed ID: [39566660](#)]

Simultaneous pancreas-kidney transplant outcomes stratified by autoantibodies status and pretransplant fasting C-peptide.

Parajuli S, Tamburrini R, Aziz F, Dodin B, Astor BC, Mandelbrot D, Kaufman D, Odorico J.

Transplant Direct. 2024 Oct 10;10(11):e1721. doi: 10.1097/TXD.0000000000001721.

[PubMed ID: [39399059](#); PMCID: PMC11469883]

OTHER

The impact of early exposure to microsurgery training on undergraduates: A pilot course.

Fulton M, Donnelly DT, Nkana ZH, Jung S, Zeng W, Dingle AM.

WMJ. 2024 Nov;123(5):368-373.

[PubMed ID: [39509622](#)]
