



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

FEBRUARY 2025 PUBLICATIONS

Congratulations to all department members whose research was published in February 2025! The following list is organized by division within the Department of Surgery.

CROSS-DIVISION COLLABORATIONS

How anticipation of agent-regret can undermine clinical decision-making.

Thiessen C, Schwarze ML, Ubel PA.

Am J Bioeth. 2025 Feb;25(2):26-28. doi: 10.1080/15265161.2024.2441756. Epub 2025 Jan 29.

PMID: [39878723](#).

"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. 2025 Feb;240:116115. doi: 10.1016/j.amjsurg.2024.116115. Epub 2024 Nov 26.

PMID: [39657331](#).

ACUTE CARE AND REGIONAL GENERAL SURGERY

Are electric scooters a lost cause?

Jung HS, Kumar R.

Trauma Surg Acute Care Open. 2025 Feb 20;10(1):e001776. doi: 10.1136/tsaco-2025-001776.

PMID: [39990860](#); PMCID: PMC11842990.

Burn progression in human skin - A review of current knowledge and opportunities for future research.

Junak M, Gibson A.

J Burn Care Res. 2025 Feb 17;iraf014. doi: 10.1093/jbcr/iraf014. Epub ahead of print.

PMID: [39957288](#).

Cultivating rural surgeons: An analysis of the current rural surgery graduate medical education landscape and a roadmap to program creation.

Abid M, Rodefild L, Adhikari M, Jarman B, McDougal L, O'Rourke AP, Amiri F, Hawes EM.

J Surg Educ. 2025 Apr;82(4):103446. doi: 10.1016/j.jsurg.2025.103446. Epub 2025 Feb 15.
PMID: [39956080](#).

Handoffs and transitions of care in the intensive care unit: An American Association for the Surgery of Trauma Critical Care Committee clinical consensus document.

Appelbaum RD, Farrell MS, Hoth JJ, Jung HS, Pathak A, Nassar AK, Cuschieri J, Stein DM, Agapian JV.

Trauma Surg Acute Care Open. 2025 Feb 17;10(1):e001677. doi: 10.1136/tsaco-2024-001677.

PMID: [39975963](#); PMCID: PMC11836866.

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. 2025 Feb;240:116088. doi: 10.1016/j.amjsurg.2024.116088. Epub 2024 Nov 14.

PMID: [39577120](#).

Improving the user interface and guiding the development of effective training material for a clinical research recruitment and retention dashboard: Usability testing study.

Gardner LL, Raeisian Parvari P, Seidman M, Holden RJ, Fowler NR, Zarzaur BL, Summanwar D, Barboi C, Boustani M.

JMIR Form Res. 2025 Feb 24;9:e66718. doi: 10.2196/66718.

PMID: [39992743](#); PMCID: PMC11875103.

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, Schroepel 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. 2025 Feb;178:108909. doi: 10.1016/j.surg.2024.10.002. Epub 2024 Nov 8.

PMID: [39521628](#).

Nutrition support for patients with renal dysfunction in the intensive care unit: A narrative review.

Otis JL, Parker NM, Busch RA.

Nutr Clin Pract. 2025 Feb;40(1):35-53. doi: 10.1002/ncp.11231. Epub 2024 Oct 24.

PMID: [39446967](#); PMCID: PMC11713211.

CARDIOTHORACIC SURGERY

Management of tracheoesophageal fistula and tracheoinnominate fistula.

Walker B, Axtell AL.

Thorac Surg Clin. 2025 Feb;35(1):73-81. doi: 10.1016/j.thorsurg.2024.07.006. Epub 2024 Aug 13.
PMID: [39515897](#).

Native tricuspid valve endocarditis delayed Glenn procedure: A case report.

Argo MB, Hermesen JL, Lamers L, Wilhelm M, Bergstrom C, Anagnostopoulos PV.
World J Pediatr Congenit Heart Surg. 2025 Feb 20:21501351251316231. doi:
10.1177/21501351251316231. Epub ahead of print.
PMID: [39973211](#).

COLORECTAL SURGERY

Access to high-resolution anoscopy and colorectal surgery support identified as important facilitators to successful Veterans Affairs anal cancer screening programs.

Hewitt AJ, Cherney Stafford L, Alagoz E, Sanger CB.
Dis Colon Rectum. 2025 Feb 1;68(2):172-179. doi: 10.1097/DCR.0000000000003512. Epub 2024 Oct 29.
PMID: [39787441](#).

ENDOCRINE SURGERY

Generative artificial intelligence in academic surgery: Ethical implications and transformative potential.

Robinson JR, Stey A, Schneider DF, Kothari AN, Lindeman B, Kaafarani HM, Haines KL.
J Surg Res. 2025 Feb 10:S0022-4804(25)00021-6. doi: 10.1016/j.jss.2024.12.059. Epub ahead of print.
PMID: [39934059](#).

Presentation and surgical outcomes of primary hyperparathyroidism after radioactive iodine therapy.

Sathe SV, Sparkman B, Bernard E, Smith ER, He K, Chiu A, Brown TC.
J Surg Res. 2025 Feb;306:424-430. doi: 10.1016/j.jss.2024.12.043. Epub 2025 Jan 23.
PMID: [39854805](#).

MINIMALLY INVASIVE SURGERY

Patients experience with preoperative use of anti-obesity medications and associations with bariatric surgery expectations.

Samuels JM, Patel MB, Roumie CL, Self W, Funk L, Spann MD, Niswender KD.
Surg Obes Relat Dis. 2025 Feb;21(2):109-114. doi: 10.1016/j.soard.2024.08.041. Epub 2024 Sep 14.
PMID: [39389849](#).

Preoperative glucagon-like peptide-1 receptor agonist utilization and association with bariatric surgery outcomes.

AbuHasan Q, Funk LM, Holl JL, Draucker C, Grannis S, Bilimoria KY, Stefanidis D, Yuce TK. *Obes Surg.* 2025 Feb;35(2):556-560. doi: 10.1007/s11695-024-07651-1. Epub 2025 Jan 14. PMID: [39810030](#); PMCID: PMC11835518.

U.S. weight trends: A longitudinal analysis of an NIH-partnered dataset.

Jawara D, Krebsbach CM, Venkatesh M, Murtha JA, Hanlon BM, Lauer KV, Stalter LN, Funk LM.

Int J Obes (Lond). 2025 Feb;49(2):315-321. doi: 10.1038/s41366-024-01661-w. Epub 2024 Oct 29.

PMID: [39472690](#); PMCID: PMC11805667.

Using machine learning to predict weight gain in adults: An observational analysis from the All of Us research program.

Jawara D, Lauer KV, Venkatesh M, Stalter LN, Hanlon B, Churpek MM, Funk LM.

J Surg Res. 2025 Feb;306:43-53. doi: 10.1016/j.jss.2024.11.042. Epub 2024 Dec 31.

PMID: [39742657](#); PMCID: PMC11911080.

OTOLARYNGOLOGY-HEAD & NECK SURGERY

Anesthetic agents are not harmful during pregnancy-Reply.

Glazer TA, Long MT.

JAMA Surg. 2025 Feb 1;160(2):232-233. doi: 10.1001/jamasurg.2024.5670.

PMID: [39661352](#).

Hypoalbuminemia and postoperative outcomes following major salivary gland resection.

Kaki PC, Patel AM, Brant JA, Cannady SB, Rajasekaran K, Brody RM, Carey RM.

Laryngoscope Investig Otolaryngol. 2025 Feb 26;10(1):e70107. doi: 10.1002/lio2.70107.

PMID: [40012621](#); PMCID: PMC11863205.

Laryngeal aerodynamics, acoustics, and hypernasality in children with cleft palate.

Fujiki RB, Munday J, Johnson R, Thibeault SL.

J Speech Lang Hear Res. 2025 Feb 28;1-15. doi: 10.1044/2024_JSLHR-24-00763. Epub ahead of print.

PMID: [40020658](#).

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

Lechner SA, Kelm-Nelson CA, Ciucci MR.

Behav Neurosci. 2025 Feb;139(1):1-9. doi: 10.1037/bne0000610. Epub 2024 Nov 7.

PMID: [39509189](#); PMCID: PMC11747832.

PD-L1 acts independently of PD-1 as a marker of pathologic fibroblasts in laryngotracheal stenosis.

Davis RJ, Talatala ERR, Wu H, Zhang Y, Park JS, Gelbard A.

Otolaryngol Head Neck Surg. 2025 Feb;172(2):563-570. doi: 10.1002/ohn.1034. Epub 2024 Oct 23.

PMID: [39441651](#); PMCID: PMC11773441.

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. 2025 Feb;194:123472. doi: 10.1016/j.wneu.2024.11.055. Epub 2025 Jan 4.

PMID: [39577623](#).

Spanish terms for cleft lip within the United States.

Munday JH, Brinton Fujiki R, Thibeault SL.

Cleft Palate Craniofac J. 2025 Feb;62(2):274-281. doi: 10.1177/10556656241292232. Epub 2024 Oct 21.

PMID: [39434536](#).

Surgical management of buckled thyroid cartilage in the setting of dysphonia.

Ring S, Knewitz A, Bowen AJ, Francis DO.

Laryngoscope. 2025 Feb;135(2):833-835. doi: 10.1002/lary.31787. Epub 2024 Oct 15.

PMID: [39404082](#); PMCID: PMC11725714.

PEDIATRIC SURGERY

Impact of locum tenens providers on delivery of pediatric surgical care.

Wolf LL, Skarda DE, Fisher JC, Short SS, Ignacio RC, Le HD, Van Arendonk KJ, Gow KW, Glick RD, Guner YS, Ahmad H, Danko ME, Downard C, Raval MV, Robertson DJ, Weiss RG, Rich BS; American Association of Pediatrics Section on Surgery Delivery of Surgical Care Committee.

J Surg Res. 2025 Feb;306:137-143. doi: 10.1016/j.jss.2024.12.014. Epub 2025 Jan 7.

PMID: [39778232](#).

Real-world multi-institutional data from the Midwest Pediatric Surgery Consortium (MWPSC) to assess the effect of delayed Kasai procedure on biliary drainage in patients with biliary atresia.

Farooqui ZA, Hartman SJ, Stetson AE, Schepers EJ, Speck KE, Gadepalli SK, Van Arendonk KJ, Georgeades C, Lal DR, Deans KJ, Minneci PC, Apfeld JC, Saito JM, Mak GZ, Slidell MB, Lemoine C, Superina R, Wright TN, Downard CD, Devara LP, Hirschl RB, Landman MP, Leys CM, Markel TA, Rymeski B, Mullapudi B, Tiao GM; Midwest Pediatric Surgery Consortium.

J Pediatr Surg. 2025 Feb 18;60(5):162250. doi: 10.1016/j.jpedsurg.2025.162250. Epub ahead of print.

PMID: [40023993](#).

PLASTIC SURGERY

Femoral to sciatic nerve transfer: A cadaver study.

Trudrung M, Mickelson E, Attaluri P, George RE, Gander B, Hanna A.

Surg Neurol Int. 2025 Feb 28;16:73. doi: 10.25259/SNI_60_2025.
PMID: [40041072](#); PMCID: PMC11878700.

Mobile devices restricted-Updating the surgical timeout.

McCarthy JE, Rao VK.

JAMA Surg. 2025 Feb 19. doi: 10.1001/jamasurg.2024.7049. Epub ahead of print.

PMID: [39969898](#).

Prospective qualitative study on impact of headache surgery on quality of life: Are we ready for headache surgery outcome measures?

Afifi AM, Lyon S, Gutierrez-Meza D, Alagoz E, Edalatpour A, Israel JS.

Plast Reconstr Surg Glob Open. 2025 Feb 10;13(2):e6500. doi:

10.1097/GOX.0000000000006500.

PMID: [39931120](#); PMCID: PMC11809953.

Readability of patient education materials in plastic surgery: Assessing 14 years of progress.

Wirth PJ, Warden AM, Moura SP, Attaluri PK, Larson JD.

Plast Reconstr Surg Glob Open. 2025 Feb 17;13(2):e6541. doi:

10.1097/GOX.0000000000006541.

PMID: [39963536](#); PMCID: PMC11832205.

Use of ambient light compatible fluorescence-guided surgical technology for objective assessment of flap perfusion in autologous breast reconstruction.

Shaffrey EC, Moura SP, Seitz AJ, Jupitz S, Seets T, Kawahara T, Uselmann A, Lin C, Poore SO.

J Reconstr Microsurg. 2025 Feb;41(2):85-99. doi: 10.1055/s-0044-1787267. Epub 2024 Jun 5.

PMID: [38838710](#).

SURGICAL ONCOLOGY

Challenges in early career for HPB surgeons: An international practice survey.

Perri G, Di Martino M, Minter R, Srinivasa S, Newhook T, Roch A, Guest R, Fretland A,

Prodehl L, Thepbunchonchai A, Hallet J.

HPB (Oxford). 2025 Feb 20:S1365-182X(25)00068-1. doi: 10.1016/j.hpb.2025.02.010. Epub ahead of print.

PMID: [40024851](#).

Cyclin-dependent kinase 4/6 inhibition as a novel therapy for peritoneal mucinous carcinomatosis with GNAS mutations.

Weitz J, Nishizaki D, Liau J, Patel J, Ng I, Sun S, Ramms D, Zou J, Wishart B, Rull J,

Baumgartner J, Kelly K, White R, Veerapong J, Hosseini M, Patel H, Botta G, Gutkind JS,

Tiriach H, Kato S, Lowy AM.

J Clin Oncol. 2025 Feb 20;43(6):705-715. doi: 10.1200/JCO.24.00511. Epub 2024 Oct 16.

PMID: [39413348](#); PMCID: PMC11829827.

Higher rates of visualization for axillary reverse mapping using indocyanine green fluorescence compared with blue dye.

Jupitz SA, Lin C, Kawahara T, McKinney G, Uselmann AJ, Neuman HB.
J Surg Res. 2025 Feb;306:290-298. doi: 10.1016/j.jss.2024.11.043. Epub 2025 Jan 18.
PMID: [39827714](#); PMCID: PMC11911090.

Impact of perceived attending consistency on general surgery resident feedback satisfaction in a national sample.

Muñoz Wilson DD, Akhund R, McLeod MC, Jones A, Sarosi G, Brasel K, Minter RM, Mellinger J, Buyske J, Lindeman B.
Am J Surg. 2025 Feb 24:116262. doi: 10.1016/j.amjsurg.2025.116262. Epub ahead of print.
PMID: [40050187](#).

Machine learning-driven modeling to predict postdischarge venous thromboembolism after pancreatectomy for pancreas cancer.

Ahmed KS, Issaka SM, Marcinak CT, Virani SS, Jaraczewski T, Afshar M, Mayampurath A, Churpek MM, Mathew J, Zafar SN.
Ann Surg Oncol. 2025 Feb 20. doi: 10.1245/s10434-025-17032-2. Epub ahead of print.
PMID: [39979688](#).

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. 2025 Feb;240:115925. doi: 10.1016/j.amjsurg.2024.115925. Epub 2024 Aug 22.
PMID: [39242234](#).

Neoadjuvant SBRT plus elective nodal irradiation with concurrent capecitabine for patients with resectable pancreatic cancer: Survival analysis of a prospective phase 1 trial.

Basree MM, Witt JS, Uboha NV, Lubner M, Minter R, Weber S, Ronnekleiv-Kelly S, Abbott D, Kratz J, Patel M, Zafar SN, LoConte N, Lubner SJ, Deming D, Ritter MA, Mohindra P, Bassetti MF.
Pract Radiat Oncol. 2025 Feb 7:S1879-8500(25)00011-6. doi: 10.1016/j.prro.2025.01.011.
Epub ahead of print.
PMID: [39924052](#).

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. 2025 Feb;32(2):656-664. doi: 10.1245/s10434-024-16420-4. Epub 2024 Nov 12.
PMID: [39532759](#).

Saving shared decision-making.

Opel DJ, Gerstein MT, Carle AC, Fournier AK, Hargraves I, Lafata JE, Lipstein EA, Mallinson T, Moise N, Neuman HB, Nix M, Papadimitriou C, Scherer L, Sepucha K, Simpson M, Schwartz A, Stevens-Lapsley JE, Dickert NW.
J Gen Intern Med. 2025 Feb 14. doi: 10.1007/s11606-025-09410-z. Epub ahead of print.

PMID: [39953310](#).

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, Eladounikdachi 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. 2025 Feb;32(2):899-911. doi: 10.1245/s10434-024-16484-2. Epub 2024 Nov 13.

PMID: [39538100](#).

Survival outcomes between minimally invasive and open gastrectomy in early and locally advanced gastric adenocarcinoma in a Western center.

Kalavacherla S, Neel N, Jagadeesh V, Bouvet M, Lowy A, Horgan S, Kelly KJ, Mehtsun WT. J Gastrointest Cancer. 2025 Feb 20;56(1):68. doi: 10.1007/s12029-024-01163-y.

PMID: [39979489](#).

TRANSPLANTATION

Early steroid withdrawal in kidney transplant recipients: Commentary.

Kaufman DB.

Kidney360. 2025 Feb 1;6(2):194-196. doi: 10.34067/KID.0000000571. PMID: [40014440](#);

PMCID: PMC11882240.

Induction of immune tolerance in living related human leukocyte antigen-matched kidney transplantation: A phase 3 randomized clinical trial.

Kaufman DB, Akkina SK, Stegall MD, Piper JB, Gaber AO, Asch WS, Busque S, Stites E, De Vera M, Srinivas TR, Alonso D, Shah A, Patel A, Mai ML, Chavin KD, DebRoy M, Jittirat A, Costa N, Cooper M, Vranic G, Laftavi MR, Saidi RF, Collette S, Brennan DC; MDR-101-MLK Study Group.

Am J Transplant. 2025 Feb 6:S1600-6135(25)00073-5. doi: 10.1016/j.ajt.2025.01.044. Epub ahead of print.

PMID: [39922283](#).

Left ventricular dysfunction in potential heart donors after brain death: When is it reversible?

Wayda B, Luikart H, Weng Y, Zhang S, Nicely B, Nieto J, Belcher J, Pearson T, Neidlinger N, Nguyen J, Groat T, Malinoski D, Zaroff J, Khush KK.

Eur J Heart Fail. 2025 Feb 26. doi: 10.1002/ejhf.3596. Epub ahead of print.

PMID: [40012271](#).

Predicted indirectly recognizable T-cell epitope (PIRCHE) load correlates with rejection events after simultaneous pancreas-kidney transplantation.

Parajuli S, Niemann M, Dale BL, Hidalgo L, Gupta G, Kaufman D, Odorico J, Mandelbrot D. Transplant Direct. 2025 Feb 7;11(3):e1764. doi: 10.1097/TXD.0000000000001764.

PMID: [39936136](#); PMCID: PMC11810031.

VASCULAR SURGERY

Early results from the pivotal trial substudy of the GORE EXCLUDER conformable endoprosthesis in angulated necks.

Rhee RY, Almadani MW, Yamanouchi D, Oderich GS, Han S, Moore E, Matsumura JS.
J Vasc Surg. 2025 Feb;81(2):342-350.e2. doi: 10.1016/j.jvs.2024.09.013. Epub 2024 Sep 17.
PMID: [39299529](#).

Graduating vascular surgery trainee proficiency in endovascular and open peripheral revascularization procedures.

Buchanan E, Sun T, Smith BK, Weaver ML.
J Vasc Surg. 2025 Feb;81(2):472-479.e2. doi: 10.1016/j.jvs.2024.09.037. Epub 2024 Oct 9.
PMID: [39384054](#).

Molecular insights into cardiovascular disease: Unraveling pathways for diagnosis and treatment.

Yamanouchi D.
Int J Mol Sci. 2025 Feb 27;26(5):2067. doi: 10.3390/ijms26052067.
PMID: [40076691](#); PMCID: PMC11900358.

Using patient satisfaction to assess trainee performance: Is perception reality?

Carter T, Weaver ML, Smith BK.
Am J Surg. 2025 Feb;240:115949. doi: 10.1016/j.amjsurg.2024.115949. Epub 2024 Sep 11.
PMID: [39294015](#).
