



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

MAY 2025 PUBLICATIONS

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

ACUTE CARE AND REGIONAL GENERAL SURGERY

A randomized, controlled trial comparing PermeaDerm to Mepilex Ag for the treatment of adult and pediatric partial-thickness burns.

Greenhalgh DG, Hill DM, Velamuri R, Driscoll I, Gibson A, Foster K, Smith D, Chamberlain A, Bush K, Yu M.

J Burn Care Res. 2025 May 8;iraf013. doi: 10.1093/jbcr/iraf013. Epub ahead of print.

PMID: [40341353](#).

Amor fati: Memento mori.

Zarzaur BL.

J Trauma Acute Care Surg. 2025 Jul 1;99(1):36-39. doi: 10.1097/TA.0000000000004652. Epub 2025 May 7.

PMID: [40329453](#).

Enrichment of microbial DNA in plasma to improve pathogen detection in sepsis: A pilot study.

Dominguez EG, McDonald BR, Zhang H, Stephens MD, Dietmann EC, Nedden M, Byington N, Thompson S, Junak M, Pepperell CS, Kisat MT.

Clin Chem. 2025 May 2;71(5):567-576. doi: 10.1093/clinchem/hvaf011.

PMID: [40067770](#).

Indocyanine green and protoporphyrin IX fluorescence imaging of inflammation, hypoxia, and necrosis of burns.

Liu A, Ochoa M, Reed MS, Junak M, Pashaj J, Pogue BW, Gibson ALF.

Burns Trauma. 2025 May 21;13:tkaf021. doi: 10.1093/burnst/tkaf021.

PMID: [40400790](#); PMCID: PMC12093317.

Practical implications of "personalized nutrition therapy".

Stephens KR, Busch RA.

Curr Opin Crit Care. 2025 May 21. doi: 10.1097/MCC.0000000000001287. Epub ahead of print.

PMID: [40522970](#).

CARDIOTHORACIC SURGERY

Anastomotic leaks after esophagectomy-Severity and impact on quality of life.

Axtell AL.

Ann Thorac Surg. 2025 May 2;S0003-4975(25)00373-X. doi: 10.1016/j.athoracsur.2025.04.011. Epub ahead of print.

PMID: [40320198](#).

COLORECTAL SURGERY

Peristaltic contractility: Another factor impacting IPAA function?

Stem J, Heise C, Harms B, Praska C, Stalter L, Marka N, Carchman E.

Int J Colorectal Dis. 2025 May 2;40(1):106. doi: 10.1007/s00384-025-04898-7.

PMID: [40316843](#); PMCID: PMC12048429.

ENDOCRINE SURGERY

Unveiling the silent threat: Disparities in adrenal incidentaloma management.

O'Connor JP, Poloju A, Pabich SK, Allen B, Sippel R, Kind A, Chiu A.

J Surg Res. 2025 May 26;311:143-150. doi: 10.1016/j.jss.2025.04.031. Epub ahead of print.

PMID: [40424844](#).

MINIMALLY INVASIVE SURGERY

Letter to editor: Reframing the Fellowship Council requirements for an abdominal wall reconstruction designation.

Lidor A, Matthews B, Lin E, Doyle MB, Martinez J, Kothari S, Visser B.

Surgery. 2025 May;181:109111. doi: 10.1016/j.surg.2024.109111. Epub 2025 Jan 30.

PMID: [39890511](#).

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

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

J Surg Res. 2025 May;309:296-297. doi: 10.1016/j.jss.2025.03.011. Epub 2025 Apr 12.

PMID: [40222865](#).

The effect of a surgeon communication strategy on treatment preference for thyroid cancer: A randomized trial.

Jensen CB, Sinco B, Saucke MC, Bushaw KJ, Antunez AG, Voils CI, Pitt SC.

Med Decis Making. 2025 May;45(4):426-436. doi: 10.1177/0272989X251325837. Epub 2025 Mar 27.

PMID: [40145501](#); PMCID: PMC11999764.

OTOLARYNGOLOGY-HEAD & NECK SURGERY

Characterizing disease severity through surgical recurrence rates in idiopathic subglottic stenosis.

Bowen AJ, Awadallah A, McCalla M, Roitman A, Ali H, Levenson G, Khalil Y, Ring S, Edell E, Koster M, Bayan S, Xie K, Davis R, Francis DO, Ekbom D, Dailey SH.
Laryngoscope. 2025 May 21. doi: 10.1002/lary.32280. Epub ahead of print.
PMID: [40396584](#).

Costs of sleep endoscopy with same-day versus staged surgery for pediatric obstructive sleep apnea.

Lenze NR, Allevato MM, Benjamin WJ, Servin E, Kirkham EM, Zopf DA, Sinnwell JG.
OTO Open. 2025 May 23;9(2):e70133. doi: 10.1002/oto2.70133.
PMID: [40416780](#); PMCID: PMC12100628.

Defining goals of trans feminine individuals seeking gender-affirming voice therapy: A qualitative study.

François F, Wolfberg J, Croegaert-Koch C, Fujiki RB, Thibeault SL.
Am J Speech Lang Pathol. 2025 May 9;1-10. doi: 10.1044/2025_AJSLP-24-00369. Epub ahead of print.
PMID: [40340436](#).

Does the TruBlue laser set microlaryngoscopy equipment on fire? A systematic evaluation.

Roitman A, Lungu T, Venkatraman A, Schroeder KM, Thibeault SL, Dailey SH.
Laryngoscope. 2025 May;135(5):1752-1758. doi: 10.1002/lary.31943. Epub 2024 Dec 6.
PMID: [39641341](#); PMCID: PMC11980965.

Geriatric nutritional risk index and postoperative outcomes following head and neck cancer surgery.

Kaki PC, Patel AM, Brant JA, Cannady SB, Rajasekaran K, Brody RM, Carey RM.
Head Neck. 2025 May;47(5):1421-1432. doi: 10.1002/hed.28052. Epub 2024 Dec 30.
PMID: [39737859](#).

Internal superior laryngeal nerve injections through the piriform sinus for laryngeal neurosensory disturbances: A prospective analysis.

Bowen AJ, McCalla M, Ring S, Roitman A, Hortobagyi D, Yang Q, Francis DO, Davis RJ, McCulloch T, Dailey SH.
Ann Otol Rhinol Laryngol. 2025 May 28;34894251341640. doi: 10.1177/00034894251341640. Epub ahead of print.
PMID: [40432599](#).

Optimizing face validity and clinical relevance of a mathematical population cancer epidemiology model using a novel advisory group approach.

Davies L, Fernandes-Taylor S, Arroyo N, Zhang Y, Alagoz O, Francis DO.
Med Decis Making. 2025 May;45(4):385-398. doi: 10.1177/0272989X251327595. Epub 2025 Mar 31.
PMID: [40165387](#); PMCID: PMC12120966.

Practice patterns in speech-language pathologist treatment of induced laryngeal obstruction.

Fujiki RB, Venkatraman A, Thibeault SL.
Am J Speech Lang Pathol. 2025 May 6;34(3):1269-1288. doi: 10.1044/2025_AJSLP-24-00430. Epub 2025 Apr 21.
PMID: [40258115](#); PMCID: PMC12083767.

Reliability of 3-D/4-D ultrasound contouring of tongue surface during swallowing.

Krekeler BN, Loy RD, Shaheen N, Lulich SM, Sheridan P, Peña-Chávez RE, Connor NP, Rogus-Pulia N.

Ultrasound Med Biol. 2025 May 3:S0301-5629(25)00095-X. doi: 10.1016/j.ultrasmedbio.2025.03.016. Epub ahead of print. PMID: [40320346](#).

Side-lying position is associated with improved swallow outcomes when compared to semi-upright position in infants with dysphagia.

Fujiki RB, Nimtz A, Thibeault SL.

Am J Speech Lang Pathol. 2025 May 6;34(3):1366-1379. doi: 10.1044/2025_AJSLP-24-00473. Epub 2025 Apr 21.

PMID: [40258117](#); PMCID: PMC12083765.

The role of ultrasonic vocalizations in rat laryngological investigations.

Shembel AC, Johnson AM, Ciucci MR, Lunaris CL, Morrison RA, Rudisch DM.

Physiol Behav. 2025 May 15;294:114887. doi: 10.1016/j.physbeh.2025.114887. Epub 2025 Mar 19.

PMID: [40118131](#); PMCID: PMC12175474.

Upper extremity transvenous access in neurointerventional procedures: Insights from the largest single-center experience.

Habib MA, Tierradentro-Garcia LO, Romano R, Alkhatib SG, Kim J, Sahni A, Zhao AT, Brant JA, Bigelow DC, Hwa T, Ruckenstein MJ, Choudhri OA.

J Clin Neurosci. 2025 Jul;137:111325. doi: 10.1016/j.jocn.2025.111325. Epub 2025 May 13.

PMID: [40367528](#).

PEDIATRIC SURGERY

Contemporary biology, management, and outcomes of renal medullary carcinoma in children and adults: A Pediatric Surgical Oncology Research Collaborative Study.

Beckhorn CB, Malek MM, Lovvorn HN, Leraas HJ, McKay KG, Kontchou NT, Kastenbergs ZJ, Hoyt DW, Roach JP, Myers EK, Cost NG, Mullapudi B, Marchese CR, Jensen AR, Lautz TB, Carter M, Dasgupta R, Lundstedt J, Brungardt JG, Talbot LJ, Davidoff AM, Murphy AJ, Aldrink JH, Mansfield SA, Piché N, Lal DR, Craig BT, Schuh JM, Cromeens BP, Mannava SV, Castle SL, Lopez A, Mello K, Short J, Petroze RT, Rajavel S, Thompson GR, Mattei P, Rothstein DH, Fialkowski E, Fowler KL, Martchenko N, Rich BS, Glick RD, Brown EG, Doyle K, Abril P, Rinehardt HN, Seemann NM, Davidson J, Wilson CA, Le HD, Joshi D, Stellon M, Ahmed T, Dimmer AM, Newman EA, Hammoud M, Williams K, Grant CN, Gorgy M, Polites SF, Debertin J, Cameron DB, Stetson A, Kim ES, Lee WG, Barkhordar A, Austin MT, Coakley BA, Kahan A, Murphy JT, Pitonak M, Boehmer C, Tracy ET.

Pediatr Blood Cancer. 2025 Aug;72(8):e31774. doi: 10.1002/pbc.31774. Epub 2025 May 20.

PMID: [40394815](#).

Living in rural America plants the seeds for congenital heart disease challenges.

Ralphe JC, Anagnostopoulos PV.

Circ Cardiovasc Qual Outcomes. 2025 Jun;18(6):e012231. doi:

10.1161/CIRCOUTCOMES.125.012231. Epub 2025 May 29. PMID: [40439662](#).

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 May;60(5):162250. doi: 10.1016/j.jpedsurg.2025.162250. Epub 2025 Feb 18.

PMID: [40023993](#).

PLASTIC SURGERY

Adding to your tool box: Laser therapy for vascular anomalies.

Thomas KV, Le T, Messele F, Garland CB, Monroe EJ, Metry D, Levin Y, Kelly KM, Arkin LM. *Pediatr Dermatol*. 2025 May 29. doi: 10.1111/pde.15991. Epub ahead of print. PMID: [40442022](#).

Ashramas of Hinduism: A guide to the journey of life and career of a plastic surgeon.

Gupta S, Attaluri PK, Gosain AK, Rao VK. *Plast Reconstr Surg*. 2025 May 7. doi: 10.1097/PRS.00000000000012193. Epub ahead of print. PMID: [40331582](#).

Can lasers attract and retain patients in a plastic surgery practice? An academic cosmetic clinic experience.

Edalatpour A, Wirth PJ, Attaluri P, Stalter LN, Shaffrey EC, Afifi AM. *Facial Plast Surg Aesthet Med*. 2025 May-Jun;27(3):212-213. doi: 10.1089/fpsam.2023.0312. Epub 2024 Apr 11. PMID: [38603573](#).

Comparing the relative value of elective and traumatic hand surgery procedures.

Bay CC, George RE, Fine KS, Edalatpour A, Chao O, Michelotti BF. *Plast Reconstr Surg*. 2025 May 7. doi: 10.1097/PRS.00000000000012191. Epub ahead of print. PMID: [40331586](#).

Discussion: Skin graftless dorsal metacarpal island VY advancement flap versus dorsal rectangular flap with skin grafting in 213 simple syndactyly releases.

Attaluri PK, Nicksic PJ, Michelotti BF, Bentz ML. *Plast Reconstr Surg*. 2025 Jun 1;155(6):982-983. doi: 10.1097/PRS.00000000000011998. Epub 2025 May 21. PMID: [40434660](#).

Is migraine surgery financially viable for the hospital and surgeon? A single-surgeon, 10-year study at an academic institution.

Nicksic PJ, Albano N, Edalatpour A, Afifi AM. *Plast Reconstr Surg*. 2025 May 1;155(5):928e-934e. doi: 10.1097/PRS.00000000000011824. Epub 2024 Oct 15. PMID: [39418073](#).

Mobile devices restricted-Updating the surgical timeout.

McCarthy JE, Rao VK. *JAMA Surg*. 2025 May 1;160(5):479-480. doi: 10.1001/jamasurg.2024.7049. PMID: [39969898](#).

Professional development for early-career plastic surgeons: A snapshot of opportunities for involvement in societies and organizations.

Ufot AI, Zona EE, Edalatpour A, Israel JS. *Ann Plast Surg*. 2025 Jul 1;95(1):e18-e30. doi: 10.1097/SAP.0000000000004401. Epub 2025 May 20. PMID: [40434210](#).

The anatomy of patents and intellectual property.

Bay CC, George RE, Fine KS, Rao VK.

Plast Reconstr Surg Glob Open. 2025 May 5;13(5):e6731. doi: 10.1097/GOX.0000000000006731. PMID: [40330166](#); PMCID: PMC12052228.

The less emphasized link in mentorship: The role of the mentee.

Attaluri PK, Wirth PJ, Shaffrey EC, Bentz ML, Afifi AM.

Plast Reconstr Surg. 2025 May 1;155(5):958e-960e. doi: 10.1097/PRS.00000000000011835. Epub 2024 Oct 22.

PMID: [39454100](#).

SURGICAL ONCOLOGY

An overview of the importance of neoadjuvant systemic therapy for breast cancer patients: From the Society of Surgical Oncology and the American Society of Breast Surgeons.

Weiss A, Agnese DM, Al-Hilli Z, Cabioglu N, Farr D, Kantor O, Obeng-Gyasi S, Wilke L.

Ann Surg Oncol. 2025 May 12. doi: 10.1245/s10434-025-17405-7. Epub ahead of print. Erratum in: Ann Surg Oncol. 2025 May 21. doi: 10.1245/s10434-025-17580-7.

PMID: [40355803](#).

Impact of a web-based decision aid on socioeconomically disadvantaged patients' engagement in breast surgery decision-making: Stepped-wedge clinical trial (Alliance-A231701CD).

Schumacher JR, Hanlon BM, Zahrieh D, Rathouz PJ, Tucholka JL, McKinney G, Tan AD, Breuer CR, Bailey L, Higham AM, Wechsler JS, Arnold AH, Froix AJ, Dull S, Abbott AM, Fine SG, McGuire KP, Seydel AS, McNamara P, Chow S, Neuman HB.

Ann Surg Oncol. 2025 May 17. doi: 10.1245/s10434-025-17452-0. Epub ahead of print.

PMID: [40382452](#).

Importance of social ties in dissemination of Commission on Cancer's synoptic operative report.

Park KU, Brindle M, Neuman H, Padamsee TJ, Birken S.

Surg Open Sci. 2025 May 14;26:61-63. doi: 10.1016/j.sopen.2025.05.004.

PMID: [40487715](#); PMCID: PMC12143827.

Ongoing symptoms and concerns experienced by low-risk breast cancer survivors following active treatment.

Schumacher JR, Tucholka JL, Breuer CR, McKinney GH, Maxcy C, Stankowski-Drengler TJ, Marka NA, Hanlon BM, Kwekkeboom KL, Tevaarwerk AJ, Haine JE, Neuman HB.

Ann Surg Oncol. 2025 May;32(5):3252-3259. doi: 10.1245/s10434-025-16959-w. Epub 2025 Jan 29.

PMID: [39881007](#).

Orchestrating cancer care-Will the surgeon always participate?

Wilke LG, Lautner MA.

JAMA Surg. 2025 May 7. doi: 10.1001/jamasurg.2025.1057. Epub ahead of print.

PMID: [40332930](#).

Performance of diagnostic breast imaging in symptomatic pregnant and lactating patients: Systematic review and meta-analysis.

Weber BW, Mao L, Salem K, Hitchcock M, Keller AH, Elezaby MA, Salkowski LR, Bozzuto LM, Fowler AM.

Radiol Imaging Cancer. 2025 May;7(3):e240281. doi: 10.1148/rycan.240281.

PMID: [40445098](#); PMCID: PMC12130698.

Sentinel node biopsy utilization in Wisconsin women undergoing breast-conserving surgery for DCIS.

Cortina CS, Schumacher JR, Cartmill RS, Venkatesh M, Lawson EH, Kong AL, Lautner MA.
Ann Surg Oncol. 2025 May 31. doi: 10.1245/s10434-025-17590-5. Epub ahead of print.
PMID: [40450165](#).

Urdu translation and validation of the COST-FACIT tool for assessing financial toxicity among patients diagnosed with cancer in Pakistan.

Siddiqui MTUH, Virani SS, Shaukat F, Khursheed AA, Saleem L, Jamal A, Rizwan Khan M, Zafar SN.
J Cancer Allied Spec. 2025 May 29;11(1):17-23. doi: 10.2478/jcas-2025-0004.
PMID: [40496031](#); PMCID: PMC12147700.

TRANSPLANTATION

De novo letermovir for cytomegalovirus prophylaxis in high-risk liver transplant recipients.

Kleiboeker HL, Descourouez JL, Saddler CM, Al-Adra D, Rice JP, Jorgenson MR.
Clin Transplant. 2025 May;39(5):e70169. doi: 10.1111/ctr.70169.
PMID: [40294127](#).

Kidney delayed graft function in simultaneous pancreas-kidney transplant recipients is associated with inferior outcomes.

Firmino SN, Fedorova E, Alshaikh EA, Kaufman D, Odorico J, Mandelbrot D, Astor BC, Parajuli S.
Transplant Direct. 2025 Apr 17;11(5):e1797. doi: 10.1097/TXD.0000000000001797.
PMID: [40256683](#); PMCID: PMC12007875.

Longitudinal assessment of solid organ transplant recipients with SARS-CoV-2 infection.

Vuyk W, Bobholz M, Emmen I, Lail A, Minor N, Bhimalli P, Eickhoff JC, Ries HJ, Machkovech H, Wei W, Weiler A, Richardson A, DePagter C, VanSleet G, Bhasin M, Kamal S, Wolf S, Viridi A, Bradley T, Gifford A, Benito M, Shipe A, Mohamed R, Smith J, Wilson N, Friedrich TC, O'Connor DH, Garonzik-Wang J.
Transplant Proc. 2025 Jun;57(5):922-930. doi: 10.1016/j.transproceed.2025.04.004. Epub 2025 May 6.
PMID: [40335381](#).

Normothermic regional perfusion and liver transplant: Expanding the donation after circulatory death donor pool.

Stahl CC, Aufhauser DD Jr.
Curr Opin Organ Transplant. 2025 May 15. doi: 10.1097/MOT.0000000000001230. Epub ahead of print.
PMID: [40366020](#).

Obesity management before and after pancreas transplantation.

Abbasi AB, Posselt A, Orandi BJ, Odorico JS, Stock PG.
Curr Opin Organ Transplant. 2025 May 5. doi: 10.1097/MOT.0000000000001226. Epub ahead of print.
PMID: [40314343](#).

Takotsubo cardiomyopathy following liver transplantation: A multicenter cohort study.

Matar AJ, Keiler J, Bolognese AC, Cimen A, Whitmore C, Wehrle CJ, Aucejo F, Fedorova E, Aufhauser D, Subramanian R, Kazimi MM, Maharaj V, Aby ES, Magliocca J, Kim SC.
Liver Transpl. 2025 May 1;31(5):623-629. doi: 10.1097/LVT.0000000000000503. Epub 2024 Oct 3.
PMID: [39356538](#).

VASCULAR SURGERY

Five-year pivotal trial outcomes of the Gore Excluder conformable endoprosthesis implanted in abdominal aortic aneurysms with short non-angulated infrarenal seal zones.

Suckow BD, Oderich GS, Almadani MW, Yamanouchi D, Pyun AJ, Moore E, Muck PE, Rhee RY. J Vasc Surg. 2025 May 29:S0741-5214(25)00998-X. doi: 10.1016/j.jvs.2025.04.038. Epub ahead of print.

PMID: [40464725](#).

Innovations in surgical communication 5-When surgery is a bad idea, focus on the goals.

Schwarze ML, Taylor LJ, Arnold RM, Littell RD.

JAMA Surg. 2025 May 7. doi: 10.1001/jamasurg.2025.1061. Epub ahead of print.

PMID: [40332923](#).

Operative competency and autonomy achieved by senior vascular surgery integrated residents and fellows.

Mills A, Coleman B, Sun T, Serena T, Weaver ML, Smith BK.

J Vasc Surg. 2025 May;81(5):1221-1227.e3. doi: 10.1016/j.jvs.2025.01.190. Epub 2025 Jan 28.

PMID: [39884563](#).
