



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

NOVEMBER 2025 PUBLICATIONS

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

CROSS-DIVISION COLLABORATIONS

CDK7 is a novel therapeutic target in fibrolamellar carcinoma.

Nukaya M, Carney PR, Cafferty C, Zahed K, Yun I, Al-Adra DP, Kazim NA, Farghli AR, Chan M, Stram A, Kratz JD, Berres ME, Yen A, Gujral TS, Sethupathy P, Bradfield CA, Ronnekleiv-Kelly SM.

iScience. 2025 Nov 4;28(12):113925. doi: 10.1016/j.isci.2025.113925.

PMID: [41321622](#); PMCID: PMC12663737.

Detection of PIK3CA mutations in anal dysplasia.

Johnson HR, Dietmann EC, Praska CE, Dennison KL, McGregor SM, Suter W, Leverson G, Murtaza M, Carchman EH.

J Surg Res. 2025 Nov;315:106-112. doi: 10.1016/j.jss.2025.09.003. Epub 2025 Sep 30.

PMID: [41033178](#); PMCID: PMC12494155.

Fragment end motif analysis to distinguish pathogens from contaminants in enriched plasma microbial DNA.

Zhang H, Dominguez EG, Junak M, Murtaza M, Pepperell CS, Kisat MT.

medRxiv [Preprint]. 2025 Nov 7:2025.11.06.25339688. doi: 10.1101/2025.11.06.25339688.

PMID: [41282688](#); PMCID: PMC12637738.

Impella 5.5 as bridge and mechanical support following simultaneous heart/kidney transplant.

Kristo A, Fajardo R, Harrison JH, Tessmann P, Hermsen J, Neidlinger N, Xia Y.

ASAIO J. 2025 Nov 11. doi: 10.1097/MAT.0000000000002585. Epub ahead of print.

PMID: [41214494](#).

ACUTE CARE AND REGIONAL GENERAL SURGERY

Beyond capacity: An EAST multicenter mixed-methods study exploring surgeon perceptions on patient ratios in acute care surgery.

Wilson DJ, Gellings JA, Coleman J, Mukherjee K, Bonne S, Boltz M, Hartwell JL, Bruns B, Kurle J, Hassan M, Todd SR, Maqbool B, Morse BC, Cripps MW, Patel M, Margulies DR, Lilienstein JT, Aryan N, Zarzaur BL, Bayouth CV, Porter J, Staudenmayer K, Mederos DR, Fasanya C, Leneweaver K, Jacobson LE, Farrell MS, Norwood S, Cull JD, Hoth J, Kamine T, Prabhakaran K, Rakitin I, Englehart

MS, Fusco-Ruiz T, Blondeau B, Adams CA Jr, McKenzie K, Holleman G, Liggett MR, Cunningham K, DeMoya M, Murphy PB; ACS Staffing Authorship Group.
Trauma Surg Acute Care Open. 2025 Nov 13;10(4):e001937. doi: 10.1136/tsaco-2025-001937.
PMID: [41262852](#); PMCID: PMC12625922.

Financial toxicity after trauma and acute care surgery: Recommendations for measuring long-term financial hardship.

Haddad D, Kim P, Dowzicky P, Agapian JV, Bugaev N, Crandall ML, Hu P, Martin RS, Nahmias J, Smith SG, Staudenmayer K, Zarzaur BL, Knowlton LM, Scott JW; AAST Health Economics Committee.
Trauma Surg Acute Care Open. 2025 Nov 16;10(4):e001856. doi: 10.1136/tsaco-2025-001856.
PMID: [41262857](#); PMCID: PMC12625838.

In response to "Letter to the editor regarding 'The utility of axial imaging among selected patients in the early postoperative period after pancreatectomy'".

Winslow ER, Bloomfield GC.
Surgery. 2025 Nov;187:109612. doi: 10.1016/j.surg.2025.109612. Epub 2025 Aug 15.
PMID: [40818903](#).

Older injured adults reported sleep disturbances: A cross-sectional study.

Azar C, Barboi C, Perkins A, Ortiz D, Zarzaur BL, Alhader A, Boustani MA.
J Patient Rep Outcomes. 2025 Nov 25;10(1):1. doi: 10.1186/s41687-025-00974-2.
PMID: [41286528](#); PMCID: PMC12764724.

Safely debriefing unexpected simulation death: How we did it.

L'Huillier JC, Ulrich SM, Jung SA, O'Rourke AP, Liepert AE.
J Surg Educ. 2026 Jan;83(1):103760. doi: 10.1016/j.jsurg.2025.103760. Epub 2025 Nov 4.
PMID: [41192077](#).

Variation among trauma centers in the use of angioembolization and splenectomy rate in isolated high-grade blunt splenic injuries.

Aoki M, Okada Y, Matsumoto S, Katsura M, Zarzaur BL, Matsushima K.
World J Surg. 2025 Nov;49(11):3236-3241. doi: 10.1002/wjs.70104. Epub 2025 Sep 19.
PMID: [40973682](#).

CARDIOTHORACIC SURGERY

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

Axtell AL.
Ann Thorac Surg. 2025 Nov;120(5):1008-1009. doi: 10.1016/j.athoracsur.2025.04.011. Epub 2025 May 2.
PMID: [40320198](#).

COLORECTAL SURGERY

Evaluation of anal cancer screening practices among a national cohort of veterans with HIV.

Hewitt AJ, Freeman MJ, Hayden DM, Carchman EH, Schweizer ML, Sanger CB.
Dis Colon Rectum. 2025 Nov 1;68(11):1276-1284. doi: 10.1097/DCR.0000000000003928. Epub 2025 Jun 8.
PMID: [40767349](#).

ENDOCRINE SURGERY

Identifying barriers and motivators to increase surgical clinical trial participation for older veterans.

Cher BAY, Lunardi N, Thornton M, Hitzeman A, Baker J, Macdonald C, Skinner CS, Brown CJ, Mai D, Marten EL, Makris K, Heredia MLM, Berger M, Cullum CM, Lee SC, Pham TH, Balentine CJ.
J Am Geriatr Soc. 2026 Jan;74(1):161-168. doi: 10.1111/jgs.70218. Epub 2025 Nov 26.
PMID: [41294297](#).

Learning how preoperative communication relates to postoperative experiences for older veterans having inguinal hernia surgery.

Thornton MA, Marten EL, Lunardi N, Mai D, Macdonald C, Baker JG, Hitzeman A, Skinner CS, Brown CJ, Berger M, Lee SC, Cullum CM, Makris KI, Pham TH, Naik A, Tang V, Balentine CJ.
J Am Geriatr Soc. 2026 Jan;74(1):177-185. doi: 10.1111/jgs.70216. Epub 2025 Nov 26.
PMID: [41294300](#).

Making an impact: Reflections from the American Association of Endocrine Surgeons presidential address.

Sippel RS; 2024–2025 President of the American Association of Endocrine Surgeons.
Surgery. 2026 Jan;189:109869. doi: 10.1016/j.surg.2025.109869. Epub 2025 Nov 4.
PMID: [41193322](#).

Standardizing the reporting of postoperative hypoparathyroidism following thyroidectomy: Consensus statement from the European Society of Endocrine Surgeons, the American Association of Endocrine Surgeons, and the International Association of Endocrine Surgeons.

Barczyński M, Van Den Heede K, Lee JC, Lorenz K, Mihai R, Norlen O, Patel KN, Raffaelli M, Sippel RS, Wang TS, Solorzano CC.
Br J Surg. 2025 Nov 6;112(11):znaf247. doi: 10.1093/bjs/znaf247.
PMID: [41229353](#); PMCID: PMC12612623.

PEDIATRIC SURGERY

Surgical management and outcomes in pediatric adrenocortical carcinoma: A Pediatric Surgical Oncology Research Collaborative study.

Srivatsa S, Aldrink JH, Haque MR, Murphy A, Gehle D, Halepota H, Newman EA, Williams K, Mattei P, Johnston WR, Hwang R, Lautz TB, Ayala SA, Piché N, Lemoine CP, Debertin J, Polites SF, Rothstein DH, Riehle KJ, Nchinda N, Malek MM, Rinehardt HN, Gestrich C, Castle SL, Lopez A, Mayes MS, Myers EK, Roach JP, Craig BT, Lal DR, Schuh J, Cromeens BP, Mannava SV, Austin MT, Mayon LK, Kastenber ZJ, Wallace M, Alexander A, Stellon MA, Le HD, Joshi DS, Chidiac C, Rhee DS, Cameron D, Stetson A, Rich BS, Glick RD, Fialkowski EA, Fowler K, Fareh R, Brown EG, Doyle K, Abril P, Grant C, Dasgupta R, Boehmer C, Mansfield SA.
Ann Surg Oncol. 2025 Nov 20. doi: 10.1245/s10434-025-18731-6. Epub ahead of print.
PMID: [41266918](#).

Use of ovarian tumor markers in prediction of malignancy risk in pediatric and adolescent patients.

Lin AM, Bergus KC, Bricker J, Fallat M, Hertweck SP, Hewitt G, Lutz C, Aldrink JH, Bence C, Breech L, Dillon PA, Downard C, Ehrlich PF, Gadepalli S, Fraser JD, Grabowski J, Helmrath M, Hirschl RB, Kabre

R, Lal DR, Landman M, Leys C, Cherney-Stafford L, Mak G, Markel T, Pressey JG, Raiji M, Rymeski B, Saito J, St Peter SD, Asti L, Deans K, Minneci PC; Midwest Pediatric Surgery Consortium. J Surg Res. 2025 Nov;315:839-846. doi: 10.1016/j.jss.2025.09.084. Epub 2025 Nov 3. PMID: [41187700](#).

PLASTIC SURGERY

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 Nov 1;156(5):706e-708e. doi: 10.1097/PRS.00000000000012193. Epub 2025 May 7.

PMID: [40331582](#).

Developing effective and passionate plastic surgery researchers: A structured pathway for medical students.

Zona EE, O'Shea AW, Fine KS, LaLiberte CJ, Gunderson KA, Edalatpour A, Dingle AM, Israel JS, Poore SO.

Plast Reconstr Surg Glob Open. 2025 Nov 14;13(11):e7275. doi: 10.1097/GOX.00000000000007275.

PMID: [41244008](#); PMCID: PMC12617535.

Maximizing your plastic surgery training: Professional society career development opportunities for students, residents, and fellows.

Zona EE, Vo T, Edalatpour A, Israel JS.

Ann Plast Surg. 2025 Nov 1;95(5):e36-e52. doi: 10.1097/SAP.0000000000004499. Epub 2025 Sep 1.

PMID: [41081602](#).

Neighborhood disadvantage predicts surgical approach in craniosynostosis repair.

Kalluri MH, O'Shea AW, Chu DY, Blum JD, Carbullido MK, Krause GM, Garland CB, Cho DY.

Cleft Palate Craniofac J. 2025 Nov 3;10556656251362777. doi: 10.1177/10556656251362777. Epub ahead of print.

PMID: [41182856](#).

Pre-clinical development of a wireless neural interface system for osseointegrated prosthetic control in sheep.

Sears L, Deshmukh A, Mereddy R, Go V, Nemke B, Lu Y, Zeng W, Suminski AJ, Markel M, Bachus KN, Morizio J, Poore SO, Dingle AM.

Front Neurosci. 2025 Nov 6;19:1681136. doi: 10.3389/fnins.2025.1681136.

PMID: [41278185](#); PMCID: PMC12631181.

Towards optimizing target engagement in non-invasive trigeminal nerve stimulation: Anatomical characterization of the human trigeminal nerve.

Perrault JL, Kozma KD, Zeng W, Nkana Z, Albano NJ, Gunderson KA, Hurley SA, Lake WB, Williams JC, Poore SO, Ludwig KA, Dingle AM, Suminski AJ.

J Neural Eng. 2025 Nov 26;22(6). doi: 10.1088/1741-2552/ae1dae.

PMID: [41213181](#).

SURGICAL ONCOLOGY

Changes to management influenced by next-generation sequencing of pancreatic duct aspirates among patients with main pancreatic duct dilation of unclear etiology: A multi-center cohort study.

Jones AR, Kannan A, Ley D, Ramirez OR, Sheth M, Murimwa G, Abbas A, Deverakonda A, Bishop C, Coleman V, Foley B, Ellis D, Gopal D, Benson M, Stadmeier P, Khatri G, Zafar SN, Polanco PM, Zeh H, Mansour J, Fleming J, Singhi A, Minter R, Kubiliun N, Pfau P, Sawas T.

Gastrointest Endosc. 2025 Nov 20:S0016-5107(25)02202-3. doi: 10.1016/j.gie.2025.11.025. Epub ahead of print.

PMID: [41274358](#).

Intersection of Black race and carbohydrate antigen 19-9 nonproduction underpins worse pathologic response to neoadjuvant therapy in pancreatic cancer.

Martos MP, Dickey EM, Abdilleh K, Ahmad SA, Maithel SK, Leigh-Matijakovich N, Kim HJ, Abbott DE, Zafar SN, Kooby DA, Parikh AA, Hosein PJ, Merchant NB, Datta J, Hester CA.

Cancer. 2025 Nov 1;131(21):e70130. doi: 10.1002/cncr.70130.

PMID: [41176658](#); PMCID: PMC12579789.

Neoadjuvant stereotactic body radiation therapy 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 Nov-Dec;15(6):e572-e580. doi: 10.1016/j.pro.2025.01.011. Epub 2025 Feb 7.

PMID: [39924052](#).

Patient expectations about the oncologic benefit of pancreatectomy for pancreatic ductal adenocarcinoma.

Cher BAY, Zimmermann CJ, Favela JG, Stafford LC, Bolt D, Maithel SK, Shah MM, Ahmad SA, Patel SH, Martin R, Scoggins CR, Merchant N, Datta J, Kim H, LeCompte M, Hammill CW, Snyder RA, Parikh AA, Weber SM, Abbott DE.

HPB (Oxford). 2025 Nov;27(11):1410-1417. doi: 10.1016/j.hpb.2025.07.017. Epub 2025 Jul 25.

PMID: [40813201](#).

TRANSPLANTATION

Lost in translation.

Welten VM, Garonzik Wang J.

Am J Surg. 2025 Nov 1;116705. doi: 10.1016/j.amjsurg.2025.116705. Epub ahead of print.

PMID: [41207856](#).

No kidney left behind: Rescuing unused donor kidneys for transplant at the first centralized assessment and repair center.

Jaynes CL, Goggins WC, Holzner ML, Garonzik-Wang J, Leuvenink HGD.

Transpl Int. 2025 Nov 28;38:15424. doi: 10.3389/ti.2025.15424.

PMID: [41394518](#); PMCID: PMC12698490.

Over 30 years of living liver donation in North America: Mortality associated with donation: Erratum.

King EA, Alejandro RH, Emamaullee J, Al-Adra D, Byrne M, Selzner N, Anderson B, Pomfret EA, Olthoff KM.

Ann Surg. 2025 Nov 1;282(5):e1. doi: 10.1097/SLA.0000000000006950. Epub 2025 Oct 10.

PMID: [41082481](#).

Urinary tract infection after kidney transplantation: Some centers are doing better than others.

Amara D, Grieco A, Foley D, Greenstein S, Hirose R, Parekh J.

Clin Transplant. 2025 Nov;39(11):e70357. doi: 10.1111/ctr.70357.

PMID: [41134503](#).

Validation of intravoxel incoherent motion MRI using perfused explanted human livers.

Simchick G, Rice J, Gober LM, Rice D, Philip J, Roldan-Alzate A, Hernando D.

Magn Reson Med. 2025 Nov 14. doi: 10.1002/mrm.70184. Epub ahead of print.

PMID: [41235815](#).

Voucher donation: Will the promise be realized?

Cohen DJ, Mandelbrot D, Thiessen C.

Kidney Int Rep. 2025 Sep 16;10(11):3724-3726. doi: 10.1016/j.ekir.2025.09.014.

PMID: [41278341](#); PMCID: PMC12640060.

VASCULAR SURGERY

Aligning surgical decisions with older adults' outcome goals.

Naik AD, Schwarze ML, Banks J, Soni S, Arain SA, Goyal P, Matlock DD, Lampert R, Tinetti ME.

J Am Geriatr Soc. 2025 Nov;73(11):3588-3592. doi: 10.1111/jgs.70017. Epub 2025 Jul 24.

PMID: [41288195](#); PMCID: PMC12645528.

Association of ACGME milestones with other performance measures in general surgery: A meta-analytic study.

Sun T, Zheng B, Yamazaki K, Smith BK, Hamstra SJ.

Acad Med. 2025 Nov 1;100(11):1337-1344. doi: 10.1097/ACM.0000000000006142. Epub 2025 Jun 23.

PMID: [40550143](#).

Best Case/Worst Case communication tool for trauma intensive care units.

Fritz ML, Hernandez AH, Zelenski AB, Nitkowski J, Sobol C, Kwekkeboom K, Bradley T, Tsang J, Bushaw K, Dudek A, Stalter L, Schwarze ML.

JAMA Surg. 2025 Nov 1;160(11):1250-1259. doi: 10.1001/jamasurg.2025.3782.

PMID: [40991261](#); PMCID: PMC12461598.

Cell-dependent contributions of thrombospondin-1 to the rupture of abdominal aortic aneurysm in mice.

Zhou T, Yang H, Kim J, Assa C, DeRoo E, Bontekoe J, Burkel B, Ponik S, Lu HS, Daugherty A, Liu B.

Cardiovasc Res. 2025 Nov 18;cvaf243. doi: 10.1093/cvr/cvaf243. Epub ahead of print.

PMID: [41252281](#).

How I do it: Avoiding the cognitive trap - Fundamentals of Surgery curriculum.

Kopecky KE, Kapadia MR, Sobol C, Schwarze ML.

J Surg Educ. 2025 Nov;82(11):103689. doi: 10.1016/j.jsurg.2025.103689. Epub 2025 Sep 22.

PMID: [40987233](#).

Multi-institutional study of outcomes from portal vein reconstruction during pancreatic cancer surgery.

Gondi S, McSpadden M, Schlesselman C, Williams M, Dougherty K, Bennett KM, Gober L, Bath J.
J Vasc Surg. 2025 Nov;82(5):1680-1686. doi: 10.1016/j.jvs.2025.07.014. Epub 2025 Jul 15.
PMID: [40675402](#).

Protocolized management of acute type B aortic dissections reduces disease progression and need for surgery.

Gober LM, Telma K, Richmond E, Liu S, Bontekoe J, Sobol C, Tefera G, DiMusto P, Morgan C.
J Vasc Surg. 2025 Nov 27:S0741-5214(25)02009-9. doi: 10.1016/j.jvs.2025.11.023. Epub ahead of print.
PMID: [41317972](#).

Vascular surgery residents and fellows graduate at higher levels of proficiency in endovascular as compared to open aortic operations.

Buchanan E, Sun T, Droz N, Brooke BS, Smith BK, Weaver ML.
J Vasc Surg. 2025 Nov 6:S0741-5214(25)01886-5. doi: 10.1016/j.jvs.2025.10.045. Epub ahead of print.
PMID: [41205839](#).

OTHER

"A different world": A qualitative exploration of the learning environment for residents on pediatric surgery rotations.

Kochis MA, Nzenwa IC, Jung S, Wieck MM, Kelleher CM.
J Surg Educ. 2025 Nov;82(11):103691. doi: 10.1016/j.jsurg.2025.103691. Epub 2025 Sep 9.
PMID: [40930054](#).
