



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

JULY 2025 PUBLICATIONS

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

CROSS-DIVISION COLLABORATIONS

Anticancer agents and their impact on breast reconstruction: A guide for plastic surgeons based on systematic review and expert consensus.

Zona EE, Thornton SM, Via EC, Burkard ME, Michelotti BF, Poore SO, Lautner MA, Israel JS.

Plast Reconstr Surg. 2025 Jul 22. doi: 10.1097/PRS.00000000000012325. Epub ahead of print.

PMID: [40707174](#).

ACUTE CARE AND REGIONAL GENERAL SURGERY

Amor fati: Memento mori.

Zarza BL.

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

PMID: [40329453](#).

Should we be scoring pain differently for rib fractures? A comparison of two scoring systems.

Lauer KV, O'Rourke AP, Austin-Nash KE, Zarza BL, Werner NL.

Injury. 2025 Jul 28;112625. doi: 10.1016/j.injury.2025.112625. Epub ahead of print.

PMID: [40750533](#).

Spatial transcriptome analysis reveals diverse human burn wound microenvironment.

Junak M, Khatri P, Zajac J, Kubica P, Yan D, Dinh HQ, Gibson ALF.

Wound Repair Regen. 2025 Jul-Aug;33(4):e70061. doi: 10.1111/wrr.70061.

PMID: [40579885](#); PMCID: PMC12205350.

The effect of ridesharing services on motor vehicle crash outcomes: A systematic review and practice management guideline from the Eastern Association for the Surgery of Trauma.

Kaufman EJ, Jung HS, Teichman A, Colosimo C, Brewer JM, Perea LL, Dultz L, Dvorak J, Lu N, Weston R, Kartiko S, Qiu KM, Rakhit S, Murphy P.

J Trauma Acute Care Surg. 2025 Jul 1;99(1):135-142. doi: 10.1097/TA.0000000000004614. Epub 2025 Apr 7.

PMID: [40181210](#).

Understaffed and overworked: The stark reality of acute care surgeon staffing in the United States, an Eastern Association for the Surgery of Trauma multicenter study.

Murphy PB, Coleman JJ, Wilson DJ, Maring M, Gellings J, Biesboer E, Kamine TH, Mukherjee K, Bonne S, Boltz MM, Winfield RD, Dumas RP, Kurle J, Guzman-Curtis R, Sciarretta JD, Maqbool B, Morse BC, Cripps MW, Gondek S, Barmparas G, Lilienstein J, Nahmias J, Faucher L, Bayouth CV, Egodage T, Marie Knowlton L, Berne JD, Fasanya C, Shaddix M, Jacobson LE, Farrell MS, Fernandez LG, Manning BM, Martin RS, Kirsch JM, Rakitin I, Englehart MS, Montgomery SC, Blondeau B, Emigh B, McKenzie K, Taghavi S, Tatebe LC, Cunningham KW, de Moya MA; ACS Staffing Authorship Group. J Trauma Acute Care Surg. 2025 Jul 4. doi: 10.1097/TA.0000000000004700. Epub ahead of print. PMID: [40611385](#).

CARDIOTHORACIC SURGERY

A hydro-expansive and degradable biomaterial enabling shape recovery of film-based devices in biofluids.

Wang R, Sui J, Chen P, Silva-Pedraza Z, Bontekoe J, Kim J, Li P, Pan F, Schmuck EG, Osaki S, Liu B, Wang X. Adv Mater. 2025 Jul 29:e10140. doi: 10.1002/adma.202510140. Epub ahead of print. PMID: [40728249](#).

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 Jul;16(4):546-548. doi: 10.1177/21501351251316231. Epub 2025 Feb 20. PMID: [39973211](#).

COLORECTAL SURGERY

Development of a pelvic floor disorders multidisciplinary curriculum for urogynecology and reconstructive pelvic surgery and colon and rectal surgery fellows.

Nishtala MV, Patel U, Sous J, Heisler C, King R. J Surg Educ. 2025 Sep;82(9):103597. doi: 10.1016/j.jsurg.2025.103597. Epub 2025 Jul 10. PMID: [40645102](#).

Expert commentary on declining colorectal cancer operations after neoadjuvant therapy: Having the difficult conversations.

De Roo AC. Dis Colon Rectum. 2025 Jul 1;68(7):813-814. doi: 10.1097/DCR.0000000000003782. Epub 2025 Apr 8. PMID: [40197425](#).

ENDOCRINE SURGERY

NCCN Guidelines® Insights: Thyroid carcinoma, version 1.2025.

Haddad RI, Bischoff L, Applewhite M, Bernet V, Blomain E, Brito M, Busaidy NL, Campbell M, DeLozier O, Duh QY, Ehya H, Grady E, Guo T, Haymart M, Hunt JP, Kandeel F, Kotwal A, Lamonica DM, Lorch J, Mandel SJ, Markovina S, Mydlarz W, Nabell L, Raeburn CD, Rezaee R, Ridge JA, Ritter H, Roth MY,

Salgado SA, Scheri RP, Shah JP, Sipos JA, Sippel R, Sturgeon C, Wirth LJ, Wong RJ, Worden F, Yeh MW, Darlow S, Cassara CJ, Sliker B.
J Natl Compr Canc Netw. 2025 Jul;23(7):e250033. doi: 10.6004/jnccn.2025.0033.
PMID: [40639400](#).

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 Jul;311:143-150. doi: 10.1016/j.jss.2025.04.031. Epub 2025 May 26.
PMID: [40424844](#).

Who gets referred? Disparities in access to specialist care for hyperparathyroidism.

O'Connor JP, Sippel R, Balentine C, Stalter L, Kind A, Chiu A.
J Surg Res. 2025 Aug;312:236-243. doi: 10.1016/j.jss.2025.05.025. Epub 2025 Jul 1.
PMID: [40602008](#).

MINIMALLY INVASIVE SURGERY

Tissue-specific effects of dietary protein on cellular senescence are mediated by branched-chain amino acids.

Calubag MF, Ademi I, Grunow ID, Breuer LE, Babygirija R, Lialios P, Le SM, Sonsalla MM, Illiano JA, Knopf BA, Xiao F, Minton D, Konopka AR, Harris DA, Lamming DW.
Aging Cell. 2025 Jul 28:e70176. doi: 10.1111/ace.70176. Epub ahead of print.
PMID: [40726002](#).

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 Jul-Aug;42(4):716-727. doi: 10.1111/pde.15991. Epub 2025 May 29.
PMID: [40442022](#); PMCID: PMC12285566.

Eyeing risks: A critical analysis of the use of periorbital steroids in fronto-orbital advancement.

Cho DY, Blum JD, Kurnik N, Swanson JW, Susarla SM, Taylor JA, Hopper RA, Bartlett S, Birgfeld CB.
Cleft Palate Craniofac J. 2025 Jul;62(7):1210-1218. doi: 10.1177/10556656241241963. Epub 2024 Mar 28.
PMID: [38545721](#).

Inconsistent associations of Modified Frailty Index-5 with adverse head and neck reconstruction outcomes.

Orgun D, Bay CC, Carbullido KM, Wieland AM, Michelotti BF, Poore SO.
Laryngoscope. 2025 Jul;135(7):2342-2352. doi: 10.1002/lary.32008. Epub 2025 Jan 27.
PMID: [39871415](#); PMCID: PMC12230903.

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](#).

Recent trends in nipple reconstruction - A case series and social media analysis of patient preferences.

Yang S, Edalatpour A, Israel J, Gast K.

J Plast Reconstr Aesthet Surg. 2025 Sep;108:1-7. doi: 10.1016/j.bjps.2025.06.042. Epub 2025 Jul 8.

PMID: [40669114](#).

SURGICAL ONCOLOGY

Cancer registries in Pakistan: A scoping review.

Virani SS, Ahmed KS, Springer M, Hussain M, Christensen L, Asif F, Pervez S, Fadoo Z, Belgaumi A, Zafar SN.

Lancet Reg Health Southeast Asia. 2025 Jun 14;38:100615. doi: 10.1016/j.lansea.2025.100615.

PMID: [40584692](#); PMCID: PMC12205766.

Cancer research funding in Africa.

Afolaranmi O, Garton EM, Dada OE, Virani SS, Shour AR, Onitilo AA, Zafar SN.

Commun Med (Lond). 2025 Jul 7;5(1):278. doi: 10.1038/s43856-025-00992-7.

PMID: [40624332](#); PMCID: PMC12234859.

Developing a patient-centered educational video series on sexual health for women with breast cancer.

Adams M, Higgins MG, Vemuru SR, Huynh V, Coons HL, Baurle E, Rojas KE, Hampanda K, Zimmaro L, Arkema A, Bozzuto L, Fleagle E, Makela K, Singer K, Tevis SE.

Support Care Cancer. 2025 Jul 28;33(8):724. doi: 10.1007/s00520-025-09790-2.

PMID: [40719966](#).

Hepatic artery infusion chemotherapy compared to transarterial radioembolization for unresectable colorectal liver metastases.

Saadat LV, Chou J, Gonen M, Lee RM, Maithel SK, Li A, Poultides GA, Aiken TJ, Schwartz PB, Meram E, Abbott DE, Robbins KJ, Fields RC, Paranjpe A, Datta J, Connell LC, Saltz L, Cercek A, Kemeny N, Sze DY, Yarmohammadi H, Sofocleous CT, Jarnagin W, D'Angelica M.

Ann Surg. 2025 Jul 25. doi: 10.1097/SLA.0000000000006851. Epub ahead of print.

PMID: [40709764](#).

Orchestrating cancer care - Will the surgeon always participate?

Wilke LG, Lautner MA.

JAMA Surg. 2025 Jul 1;160(7):731-732. doi: 10.1001/jamasurg.2025.1057.

PMID: [40332930](#).

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 Jul 25:S1365-182X(25)00676-8. doi: 10.1016/j.hpb.2025.07.017. Epub ahead of print.

PMID: [40813201](#).

Practice readiness of chief residents in a national sample during the first year of EPA assessments.

Lindeman B, Scott-Smith C, Jones A, Sarosi GA Jr, Minter RM, Jung S, Jesneck J, Thanawala R, Mellinger JD, Buyske J, Brasel KJ.

Ann Surg. 2025 Jul 15. doi: 10.1097/SLA.0000000000006839. Epub ahead of print.
PMID: [40662595](#).

Procedural physician-scientists as catalysts for innovation in team science and clinical care.

Khan SA, Schultz KS, Ahuja N.

Cancers (Basel). 2025 Jul 25;17(15):2468. doi: 10.3390/cancers17152468.

PMID: [40805167](#); PMCID: PMC12345689.

Risk of recurrence and cancer stem cell marker CD133 expression vary in males versus females with papillary thyroid cancer.

Chang J, Alzayadneh EM, Rajan A, Tran A, Weigel RJ, Beck AC.

Ann Surg Oncol. 2025 Jul;32(7):4772-4779. doi: 10.1245/s10434-025-17256-2. Epub 2025 Apr 11.

PMID: [40214912](#); PMCID: PMC12130084.

TRANSPLANTATION

A new era in liver transplantation: Expanding indications and donor supply.

Aufhauser DD Jr.

Curr Opin Organ Transplant. 2025 Aug 1;30(4):223-224. doi: 10.1097/MOT.0000000000001227. Epub 2025 Jul 3.

PMID: [40600267](#).

Development of potent and selective RIPK1 degraders targeting its nonenzymatic function for cancer treatment.

Zhang Z, Li C, Hawkins NJ, Mudududdla R, Nie Y, Liu PK, Huang P, Del Rio NM, Chang H, Brown ME, Li L, Tang W.

J Med Chem. 2025 Jul 24;68(14):15120-15136. doi: 10.1021/acs.jmedchem.5c01340. Epub 2025 Jul 15.

PMID: [40665578](#); PMCID: PMC12283027.

Facilitation of a centralized recovery center through air and ground critical care transport.

George NH, McCauley M, Newberry R, Neidlinger N, Bandara T, Ethington J, Stampfl MJ, Bernardoni B, Johnson T, Cathers A.

Air Med J. 2025 Jul-Aug;44(4):282-285. doi: 10.1016/j.amj.2025.03.006. Epub 2025 May 3.

PMID: [40571385](#).

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 Jul;25(7):1461-1470. doi: 10.1016/j.ajt.2025.01.044. Epub 2025 Feb 6.

PMID: [39922283](#).

Left ventricular ejection fraction and previous cardiac revascularization: Impact on patient survival, graft survival, and complications in kidney transplant recipients.

Amara D, Nunez M, Parekh J, Greenstein S, Foley D, Stock P, Hirose R.

Transplant Direct. 2025 Jun 12;11(7):e1802. doi: 10.1097/TXD.0000000000001802.

PMID: [40519671](#); PMCID: PMC12165656.

Proteome-wide investigation of proline hydroxylation in pancreatic ductal adenocarcinoma using DiLeu isobaric labeling strategy.

Wu F, Tabang DN, Wang D, Odorico JS, Li L.

Mol Cell Proteomics. 2025 Jul;24(7):100969. doi: 10.1016/j.mcpro.2025.100969. Epub 2025 Apr 9.

PMID: [40216311](#); PMCID: PMC12275936.

Protocol for decellularizing and delipidizing human pancreatic tissue into native hydrogel.

Chamberlain CS, Tremmel DM, Khan AP, Santos EA, Kapadia D, Leavens C, Gorski KM, Hamadeh R, Feeney AK, Odorico J, Sackett SD.

STAR Protoc. 2025 Jul 29;6(3):103997. doi: 10.1016/j.xpro.2025.103997. Epub ahead of print.

PMID: [40742816](#); PMCID: PMC12332197.

Reasons for donor heart offer refusal are often unrelated to the donor itself - When, why, and the "weekend effect".

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

J Heart Lung Transplant. 2025 Jul;44(7):1066-1074. doi: 10.1016/j.healun.2025.02.1697. Epub 2025 Mar 13.

PMID: [40088959](#); PMCID: PMC12145243.

Reasons for donor heart offer refusal in the United States: Results from 14,132 transplant clinician surveys in the Donor Heart Study.

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

J Heart Lung Transplant. 2025 Jul;44(7):1075-1082. doi: 10.1016/j.healun.2025.02.1698.

PMID: [40480732](#); PMCID: PMC12148222.

The challenge of minding the glomerular filtration rate gap between pancreas transplant alone and simultaneous pancreas-kidney transplantation: Stuck in the middle.

Parajuli S, Mandelbrot D, Stratta RJ, Kandaswamy R, Parsons RF, Singh N, Gruessner A, Kaufman DB, Odorico J.

Transplantation. 2025 Jul 1;109(7):1062-1065. doi: 10.1097/TP.0000000000005390. Epub 2025 Mar 25.

PMID: [40128167](#).

VASCULAR SURGERY

Editorial commentary.

Smith BK, Ames SE.

Urol Pract. 2025 Jul;12(4):476-477. doi: 10.1097/UPJ.0000000000000803. Epub 2025 Jun 23.

PMID: [40548596](#).

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 Jul 1;160(7):719-720. doi: 10.1001/jamasurg.2025.1061.

PMID: [40332923](#).

Letter: Difficulty with board certification in urology is associated with adverse medical license actions.

Smith B, Lindeman B.

Urol Pract. 2025 Jul;12(4):366-367. doi: 10.1097/UPJ.0000000000000797. Epub 2025 Mar 10.

PMID: [40067914](#).

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 Jul 15:S0741-5214(25)01461-2. doi: 10.1016/j.jvs.2025.07.014. Epub ahead of print. PMID: [40675402](#).

Toward competency-based medical education: A plea to synergize frameworks and tools.

Smith BK, Caretta-Weyer H, Alseidi A. Ann Surg. 2025 Jul 1;282(1):20-22. doi: 10.1097/SLA.0000000000006729. Epub 2025 Apr 11. PMID: [40211960](#).

OTHER

Characterizing the general surgery experience of future breast surgeons: A multi-institutional study from the US ROPE Consortium.

Reagan AM, Jones VM, Ibrahim-Zada I, Smith SR, Postlewait LM, Farr D, Abelson JS, Cho NL, Foote DC, Meister KM, Montgomery KB, Lindeman B, Kimbrough MK, Nahmias J, Callahan ZM, Marks JA, Sutton JM, Elsaadi A, Burton E, Richmond R, Dodwad SM, Adams SD, Woeste MR, Buonpane CL, Patel P, Anstadt MJ, Nasim BW, Layne D, Jung S, Pratt CG, Quillin RC 3rd, Kim J, Patel JA, Cortez AR, Winer LK. Ann Surg Oncol. 2025 Jul 25. doi: 10.1245/s10434-025-17853-1. Epub ahead of print. PMID: [40711683](#).
