



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

JULY 2026 PUBLICATIONS

Congratulations to all department members whose research was published in July 2026! The following list is organized by division within the Department of Surgery.

CROSS-DIVISION COLLABORATIONS

Navigating the complexities of rectal cancer management: Shared decision-making and patient perspectives in critical choices.

De Roo AC, Neuman HB.

Eur J Surg Oncol. 2026 Jul;52(7):111738. doi: 10.1016/j.ejso.2026.111738. Epub 2026 Mar 6.

PMID: [41820181](#).

ACUTE CARE AND REGIONAL GENERAL SURGERY

Adjudication instrument for infection in critically injured trauma patients.

Junak M, Zhang H, Faust H, Haleem A, Hammel L, Saddler C, Shahan CP, Werner NL, Kisat MT.

Trauma Surg Acute Care Open. 2026 Jul 1;11(3):e002106. doi: 10.1136/tsaco-2025-002106.

PMID: [42404873](#); PMCID: PMC13331114.

Building an emergency general surgery registry to track and benchmark outcomes.

Murphy PB, Reinke C, Nicholson S, Werner NL, Ross SW, McKnight C, Kuncir E, Savage SA, Neal MD.

Trauma Surg Acute Care Open. 2026 Jul 27;11(3):e002323. doi: 10.1136/tsaco-2026-002323.

PMID: [42524128](#); PMCID: PMC13409273.

Characterizing the impact of accelerated discharge on hospital-based care requirements after distal pancreatectomy: A single-center retrospective analysis.

Moris D, Bloomfield GC, Namgoong J, Gupta P, Hawksworth J, Fishbein TM, Radkani P, Winslow ER.

Surgery. 2026 Jul 16;198:110449. doi: 10.1016/j.surg.2026.110449. Epub ahead of print.

PMID: [42555998](#).

Finding the blind spots: Using geospatial analysis to optimize EMS coverage before trauma patients die.

Rhodes-Lyons HX, Gabor R, Braun K, Flynn-O'Brien K, Theerman IL, Yorkgitis B, Roberts J, Shour AR, Buhavac M.

Am Surg. 2026 Jul 28;31348261472861. doi: 10.1177/00031348261472861. Epub ahead of print.

PMID: [42516052](#).

Impact of increased time for trial of nonoperative management in small bowel obstruction: Evidence from the American College of Surgeons NSQIP Emergency General Surgery Targeted Database.

Remer SL, Hobika G, Murphy PB, Reinke CE, Ross S, Hartwell JL, Savage S, Ko CY, Wandling MW. J Am Coll Surg. 2026 Jul 30. doi: 10.1097/XCS.0000000000002114. Epub ahead of print. PMID: [42528451](#).

Improving trauma care in Pakistan: A need for intervention-based studies.

Broecker J, Sahi SL. Trauma Surg Acute Care Open. 2026 Jul 20;11(3):e002314. doi: 10.1136/tsaco-2026-002314. PMID: [42483525](#); PMCID: PMC13386060.

Pre-pandemic- and during-COVID-19 anxiety and depression symptoms and health-related quality of life were similar in injured older adults enrolled in a clinical trial.

Ortiz D, Perkins AJ, Gao S, Sergiwa NA, Holler E, Meagher AD, Mohanty S, French DD, Lasiter S, Khan B, Boustani M, Zarzaur B. Geriatrics (Basel). 2026 Jul 18;11(4):90. doi: 10.3390/geriatrics11040090. PMID: [42496356](#); PMCID: PMC13397830.

Socioeconomic and geographic variation in response to trauma medical home intervention.

Ilkhani S, Boustani M, Holler E, Ortiz D, Perkins A, Gao S, Khan B, Zarzaur BL. J Trauma Acute Care Surg. 2026 Jul 28. doi: 10.1097/TA.00000000000005150. Epub ahead of print. PMID: [42525598](#).

Synthesis of protocols for frostbite care from the FROST study sites.

Nygaard RM, Colonna E, Poole A, Faucher LD, Paine RE, Sangji N, Lacey A, Bhavsar D, Colling K, Armour A, Fleming I, Wiktor A, Wibbenmeyer L; FROST multicenter study team. J Burn Care Res. 2026 Jul 1;irag111. doi: 10.1093/jbcr/irag111. Epub ahead of print. PMID: [42384943](#).

Western Trauma Association critical decisions in trauma: Lung injury.

Hynes AM, Kuckelman JP, Coimbra R, Beckman MA, Bower KL, Croft CA, Inaba K, Keric N, Kerwin AJ, Kopelman TR, Kundi R, Lorenzo M, Magee GA, Privette AR, Savage SA, Schellenberg MA, Schuster KM, Tesoriero RB, Windell EM, Hartwell JL, Stein DM. J Trauma Acute Care Surg. 2026 Jul 13. doi: 10.1097/TA.00000000000005127. Epub ahead of print. PMID: [42441866](#).

CARDIOTHORACIC SURGERY

FLOT-induced vs CROSS-induced pathological complete response.

Brady JR, Axtell AL, Maloney JD. JAMA Surg. 2026 Jul 15. doi: 10.1001/jamasurg.2026.2701. Epub ahead of print. PMID: [42455598](#).

COLORECTAL SURGERY

Disparities in robot utilization in colorectal surgery: The widening gap.

Donaldson AE, Jochum SB, Knight J 3rd, Underhill JM, Grimes C, DeCesare LA, O'Donnell B, Ritz EM, Govekar HR, Bhama AR, King-Mullins E, Hayden DM.

ENDOCRINE SURGERY

Behavioral characterization of bulbar sensorimotor function in a rat model of Alexander disease.

Cullen JS, Russell JA, Kelm-Nelson CA, Szot JC, Messing A, Hagemann TL, Connor NP.
Behav Brain Res. 2026 Oct 2;514:116359. doi: 10.1016/j.bbr.2026.116359. Epub 2026 Jul 5. Erratum
in: Behav Brain Res. 2026 Aug 8;116412. doi: 10.1016/j.bbr.2026.116412.
PMID: [42402290](#); PMCID: PMC13502299.

Enhancing reality in the multidisciplinary world-Reply.

Talwalkar A, Macdonald C, Balentine CJ.
JAMA Surg. 2026 Jul 1;161(7):752. doi: 10.1001/jamasurg.2026.1496.
PMID: [42160089](#).

MINIMALLY INVASIVE SURGERY

Post-operative hemoglobin trends for patients undergoing bariatric surgery: A retrospective observational study.

Lauer KV, Ho J, Stalter LN, Owen M, Acra A, Brahmabhatt M, Harris DA, Lidor AO, Funk LM.
Obes Surg. 2026 Jul 25. doi: 10.1007/s11695-026-08875-z. Epub ahead of print.
PMID: [42501168](#).

Predictive value of preoperative esophagram in postoperative outcomes after antireflux surgery.

De Jesus A, Rickett BR, Smith M, Duminie SP, Harris D, Shada A, Lidor A.
Surg Endosc. 2026 Jul 31. doi: 10.1007/s00464-026-13126-4. Epub ahead of print.
PMID: [42538396](#).

PEDIATRIC SURGERY

Outcomes of pediatric blunt liver and spleen injury in 1029 patients using the ATOMAC+ Pediatric Trauma Research Network guideline.

Notrica DM, Maxson T, Stottlemire RL, Cohen AS, Bundrant N, Lawson KA, Eubanks JW 3rd, Ryan M, Letton RW, Bhatia A, Wyrick D, St Peter SD, Leys C, Ponsky T, Williams RF, Johnson JJ.
J Pediatr Surg. 2026 Jul;61(7):163107. doi: 10.1016/j.jpedsurg.2026.163107. Epub 2026 Mar 24.
PMID: [41887567](#).

Surgeon perceptions on fertility counseling and preservation in children with cancer: A multicenter survey of North American hospitals.

Talbot A, Roach JP, Bothwell S, Talbot L, Romao R, Murphy J, Lucas D, Dasgupta R, Cromeens B, Lautz T, Newman E, Malek M, Craig B, Aldrink J, Riehle K, Stafman L, Shipe M, Polites S, Tracy E, Rhee D, Fahy A, Le H, Walker J, Fialkowski E, Robertson D, Brown E, Buchanan A, Boomer L, Suh M, Grant C, Shaffiey S, Christison-Lagay E, Ahmed T, Rice H, Calabro K, Cameron D, Boehmer C, Peters M, Corkum KS.
J Pediatr Surg. 2026 Jul 16;61(10):163312. doi: 10.1016/j.jpedsurg.2026.163312. Epub ahead of print.
PMID: [42463000](#).

Use of radiographic features for risk stratification of ovarian masses in children and adolescents.

Kittle HD, 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, Stafford LC, 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. 2026 Jul 31;326:507-517. doi: 10.1016/j.jss.2026.07.002. Epub ahead of print. PMID: [42537555](#).

PLASTIC SURGERY

Allergy history and psychiatric diagnoses as predictors of postoperative outcomes in headache surgery.

Fine KS, O'Shea AW, Gupta S, George RE, Afifi AM. Plast Reconstr Surg. 2026 Jul 1;158(1):169-177. doi: 10.1097/PRS.00000000000012527. Epub 2025 Oct 14. PMID: [41086353](#).

Artificial intelligence scribes in orthopaedic surgery: A narrative review.

Adan FO, Agoro KS, Rao V, Cunningham BP, Rao AJ. J Am Acad Orthop Surg Glob Res Rev. 2026 Jul 31;10(8):e25.00398. doi: 10.5435/JAAOSGlobal-D-25-00398. PMID: [42627719](#); PMCID: PMC13395508.

Bromelain-based enzymatic debridement versus standard of care in deep partial- and full-thickness burns: A systematic review and meta-analysis of randomized controlled trials.

Sacasa F, Herdocia Baus G, Quach MP, George RE, Bentz ML, Poore SO, Lopez-Bonilla I, González-Quiroz M. Burns. 2026 Jul 22;52(8):108154. doi: 10.1016/j.burns.2026.108154. Epub ahead of print. PMID: [42520422](#).

In search of ideal low-cost blood vessel simulators for microsurgical education.

Knazze JT, Ademi J, George RE, Thornton SM, Sears LA, Blanz SL, Jesch AK, Zeng W, Poore SO, Dingle AM. J Surg Res. 2026 Jul;323:77-94. doi: 10.1016/j.jss.2026.04.002. Epub 2026 May 5. PMID: [42092275](#).

Improving microsurgery foundational skills acquisition through short simulation courses in Rwanda.

Mukamitari V, Rochlin DH, Bassiri Gharb B, Coriddi M, Sassu P, Poore S, Pusic A, Ntirenganya F. Plast Reconstr Surg Glob Open. 2026 Jul 24;14(7):e7973. doi: 10.1097/GOX.00000000000007973. PMID: [42499801](#); PMCID: PMC13400050.

Microsurgical education without borders: Implementation of a low cost, reproducible global microsurgery course.

Zona EE, Via EC, Knazze JT, Eftekari SC, Zeng W, Nicksic PJ, Rochlin DH, Gharb BB, Ismail AT, Patel C, Gosman AA, Ntirenganya F, Rohde CH, Pusic AL, Dingle AM, Poore SO. J Plast Reconstr Aesthet Surg. 2026 Jul;118:174-178. doi: 10.1016/j.bjps.2026.05.019. Epub 2026 May 10. PMID: [42208201](#).

Submitted works in plastic surgery residency applications: Longitudinal trends and publication outcomes.

Quach MP, Craig JN, George RE, Chu DY, Schappe A, Larson JD, Poore SO.
Ann Plast Surg. 2026 Jul 1;97(1):88-93. doi: 10.1097/SAP.0000000000004759. Epub 2026 May 8.
PMID: [42101225](#); PMCID: PMC13489757.

The 3D-printed surgical microscope: An innovative, low-cost solution for global microsurgery education.

Eftekari SC, Wu EP, Zona EE, Carbullido MK, Via EC, Zeng W, Dingle AM, Poore SO.
Plast Reconstr Surg. 2026 Jul 1;158(1):181-184. doi: 10.1097/PRS.00000000000012671. Epub 2026 Jun 24.
PMID: [42340834](#).

The association of neighborhood disadvantage with surgical outcomes and follow-up adherence in patients with cleft lip.

Quach MP, Chu DY, Knazze JT, Lam CS, Center AD, Kalluri MH, Blum JD, Garland CB, Cho DY.
Cleft Palate Craniofac J. 2026 Jul 27;10556656261470284. doi: 10.1177/10556656261470284. Epub ahead of print.
PMID: [42506931](#).

The evolution of the "Head and Neck" section: Annals of Plastic Surgery embraces "Craniomaxillofacial Surgery".

Pontell ME, Cho DY, Leto Barone AA, Lineaweaver WC.
Ann Plast Surg. 2026 Jul 1;97(1):1-2. doi: 10.1097/SAP.0000000000004746. Epub 2026 Apr 9.
PMID: [41949360](#).

What lies beneath: Carotid artery depth and the safe use of hemostatic nets in facelift surgery.

Gupta S, O'Shea AW, Edalatpour A, Afifi AM.
Aesthet Surg J. 2026 Jul 15;46(8):933-936. doi: 10.1093/asj/sjag075.
PMID: [41992563](#).

SURGICAL ONCOLOGY

Benchmarking the current landscape: Insights from an Association of American Cancer Institutes survey on academic cancer service lines.

Fracasso PM, Simone NL, Si Lim SJ, Reckamp KL, Sosa JA, Lieu C, Lee C, Werner TL, Ly QP, Vose JM, White J, Honeycutt H, Shaw K, Cameron K, O'Brien DM, Wilke LG.
JCO Oncol Pract. 2026 Jul;22(7):1278-1285. doi: 10.1200/OP-25-00073. Epub 2025 Sep 24.
PMID: [40991878](#); PMCID: PMC13384372.

Changes to management influenced by next-generation sequencing of pancreatic duct aspirates among patients with main pancreatic duct dilatation of unclear etiology: A multicenter 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. 2026 Jul;104(1):59-68. doi: 10.1016/j.gie.2025.11.025. Epub 2025 Nov 20.
PMID: [41274358](#).

Characteristics of gender-diverse patients with breast cancer.

Cortina CS, Brazauskas R, Flanagan MR, Dill ED, Joseph KP, Trifonov A, Mukhtar RA, Kim EA, Kantor O, Barmettler G, Rezak KM, Rosenberger LH, Jordan SW, Perez MM, Jimenez RB, Smart AC,

Kopkash KA, Hughes TM, Walker JC, Lautner MA, Siegel EL, Brabender DE, Al-Hilli Z, Cassidy MR, Weiss A, McCaffrey RL, Lee MC, Kaoutzanis C, Nguyen KN, Son JD, Williams AD, Madrigano A, McLaughlin SA, Petroll AE, Stolley M.
JAMA Netw Open. 2026 Jul 1;9(7):e2624824. doi: 10.1001/jamanetworkopen.2026.24824. Erratum in: JAMA Netw Open. 2026 Aug 3;9(8):e2635940. doi: 10.1001/jamanetworkopen.2026.35940.
PMID: [42490110](#); PMCID: PMC13397088.

Great debate: Should surgery be omitted in the management of gastroesophageal junction cancers?

Gunder MA, Badgwell BD, Kelly KJ.
Ann Surg Oncol. 2026 Jul 26. doi: 10.1245/s10434-026-20293-0. Epub ahead of print.
PMID: [42502097](#).

Single-cell RNA sequencing of murine liver reveals an aligned circadian clock and cell-population-specific circadian-regulated pathways.

Veltri AJ, Nukaya M, Korac K, Schwartz PB, Ronnekleiv-Kelly SM.
J Biol Rhythms. 2026 Jul 3;7487304261453628. doi: 10.1177/07487304261453628. Epub ahead of print.
PMID: [42397025](#).

Streamlining the abstract selection process for the American Society of Breast Surgeons' Annual Meeting by utilizing large language models.

Cohen LN, Seibert D, Kosten T, Wolfrath N, Al-Hilli Z, Kantor O, Singh P, Teshome M, Blair S, Hieken TJ, Wilke LG, Kothari A, Cortina CS.
Ann Surg Oncol. 2026 Jul 6;10.1245/s10434-026-20138-w. doi: 10.1245/s10434-026-20138-w. Epub ahead of print.
PMID: [42406210](#); PMCID: PMC13401758.

TRANSPLANTATION

Assessing the predictive ability of the living kidney donor profile index for graft survival: A single-center study of over 1200 living donor kidney transplants.

Garg N, Astor BC, Garonzik-Wang J, Mezrich J, Mandelbrot DA.
J Nephrol. 2026 Jul 31;39(3):575-581. doi: 10.1093/joneph/aaaf039.
PMID: [42212573](#).

Hypothermic oxygenated perfusion for liver transplant: A randomized clinical trial.

Reich DJ, Mao S, Satish S, Nassar A, Rizzari M, Al-Adra DP, DiNorcia J, Woloszyn J, Doyle MBM, Bohorquez H, Mihaylov P, Saharia A, Merani S, Wehrle CJ, Miller C, Axelrod D, Langnas A, Melcher ML, Akoad M, Ghobrial M, Kubal C, Roll G, Cohen A, Chapman WC, Pinna A, de Vera M, Florman S, Foley DP, Abouljoud M, Quintini C, Hashimoto K, Croome K, Taner CB, Schlegel A. Portal-Venous
JAMA Surg. 2026 Jul 1;161(7):691-702. doi: 10.1001/jamasurg.2026.1604.
PMID: [42201712](#); PMCID: PMC13217262.

Ethical implementation of organ donation following medical assistance in dying: Recommendations of the Ethics Committee of the Transplantation Society.

Van Assche K, Mulder J, Ahn C, Allen RDM, Bollen J, Bramstedt KA, Burra P, Cras P, Dhital K, Dittmer I, Domínguez-Gil B, Downar J, Fadhil RAS, Ferdinande P, Forsythe JLR, Fortin MC, Freeman MA, Gerritsen RT, Grayson KE, Healey A, Kazemi A, Kute VB, Martin DE, Monbaliu D, Muller E, Nino-Murcia A, Olthuis G, Opdam HI, Parent B, Pérez Blanco A, Shemie SD, Siebelink M, Silva A, Silva E, Silva V, Sonneveld HP, Stock PG, Ten Hoopen R, Thiessen C, van Mook W, Van Raemdonck D, Wall AE, Weiss MJ, Woodyatt L, Ysebaert D, Thomson D.

Transplantation. 2026 Sep 1;110(9):e1840-e1851. doi: 10.1097/TP.0000000000005812. Epub 2026 Jul 8.
PMID: [42418265](#); PMCID: PMC13489770.

IL35 production after living-donor renal transplantation: Relevance to local, exosome-mediated, clinical tolerance.

Burlingham WJ, Fechner JH, Jankowska-Gan E, Tripathi S, Schreiber BL, Chandraker A, Kaufman DB, Foley DP.

Transplant Direct. 2026 Jul 6;12(8):e1980. doi: 10.1097/TXD.0000000000001980.
PMID: [42416360](#); PMCID: PMC13340715.

Neonatal and pediatric thymic grafts generate similar human T-cell chimerism in humanized mice.

Del Rio NM, Huang L, Holm AM, Blashka W, Smith NA, Saha S, Bell AJ, Richardson J, Badior KE, Kastrup CJ, Brown ME.

Front Immunol. 2026 Jul 6;17:1852823. doi: 10.3389/fimmu.2026.1852823.
PMID: [42519337](#); PMCID: PMC13381199.

Pretransplant malnutrition risk components are associated with adverse outcomes after simultaneous pancreas and kidney and solitary pancreas transplantation.

Kennedy K, Engelken J, Rolfson M, Zhou A, Gibes ML, Salwa N, Mandelbrot D, Kaufman D, Odorico J, Parajuli S.

Clin Transplant. 2026 Jul;40(7):e70607. doi: 10.1111/ctr.70607.
PMID: [42390191](#); PMCID: PMC13325689.

Real world utilization of protocolized T-cell immunity panel screening in cytomegalovirus seropositive kidney transplant recipients.

Kleiboeker H, Streblow C, Descourouez J, Saddler C, Rice J, Mandelbrot D, Odorico J, Jorgenson M.

Transpl Infect Dis. 2026 Jul 21:e70283. doi: 10.1111/tid.70283. Epub ahead of print.

PMID: [42482391](#).

Simultaneous pancreas and kidney transplant recipients from pediatric donors have comparable outcomes to those from adult donors, regardless of the type of donation.

Parajuli S, Ylagan C, Patel D, Schindler PE, Ram S, Thiessen C, Aufhauser D, Tamburrini R, Mandelbrot D, Kaufman D, Odorico J.

Transplant Direct. 2026 Jul 20;12(8):e1985. doi: 10.1097/TXD.0000000000001985.
PMID: [42482840](#); PMCID: PMC13387777.

The NBSGW RIP-DTR mouse: An integrated platform for diabetes induction, human immune reconstitution and transplantation studies.

Chamberlain CS, Kapadia D, Santos EA, Huang L, Holm AM, Leavens C, Palwasha-Khan A, Gorski KM, Steck CC, Mikat A, Tremmel DM, Chlebeck P, Talerico K, Estrada E, McIntosh BE, Brown ME, Sackett SD, Odorico JS.

bioRxiv [Preprint]. 2026 Jul 29:2026.07.10.737744. doi: 10.64898/2026.07.10.737744.
PMID: [42523426](#); PMCID: PMC13405264.

The use of a centralized normothermic preservation and assessment center to rescue kidneys declined after standard allocation.

Holzner ML, Jaynes CL, Terlizzi K, Guerra G, Lonze BE, Goggins W, Barbas A, Kayler L, Wellen J, Lopez-Soler R, Berger JC, Ali NM, van Leeuwen L, Philip J, Shapiro R, Massie AB, Leuvenink H, Garonzik-Wang J.

Am J Transplant. 2026 Jul;26(7):1683-1692. doi: 10.1016/j.ajt.2026.03.001. Epub 2026 Mar 7.
PMID: [41796806](#).

VASCULAR SURGERY

From assessment to action: Five years of progress in trauma system strengthening in Hawassa, Ethiopia.

Tefera G.

J Am Coll Surg. 2026 Jul 1;243(1):253-254. doi: 10.1097/XCS.0000000000001955. Epub 2026 Jun 12. PMID: [41914606](#).

Open surgery appears to be the preferred treatment in patients with nutcracker syndrome: A vascular low frequency disease consortium analysis.

Suckow BD, Ponukumati A, Wang L, Columbo J, Stone D, Powell R, West-Livingston LN, Shortell CK, Etkin Y, Paci SPR, Hemingway JF, Meissner MH, Gomez-Sanchez CM, Flanagan CP, Bove PG, Long GW, Smith BK, Gombert A, Barbaty ME, Aulivola B, Stilo F, Montelione N, De Caridi G, Benedetto F, McGinagle KL, Alsaarayreh M, Szeberin Z, Zatyko DZ, Amankwah KS, Joh JH, Cho S, Schermerhorn ML, Yadavalli SD, Zhou W, Tolson J, Lawrence P, Woo K; Vascular Low Frequency Disease Consortium.

J Vasc Surg Venous Lymphat Disord. 2026 Jul;14(4):102497. doi: 10.1016/j.jvsv.2026.102497. Epub 2026 Apr 14.

PMID: [41985840](#); PMCID: PMC13191235.

The TRIP technique: A trilumen catheter-assisted contralateral gate precannulation method for distal bifurcated component during thoracoabdominal branched endovascular repair.

Yamanouchi D, Sakurai Y, Nemoto M, Matsuura S, Maeno R, Tomioka S.

J Vasc Surg Cases Innov Tech. 2026 Jul 3;12(5):102401. doi: 10.1016/j.jvscit.2026.102401.

PMID: [42571473](#); PMCID: PMC13452296.
