



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

JANUARY 2026 PUBLICATIONS

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

CROSS-DIVISION COLLABORATIONS

Building capacity in perioperative quality improvement in low- and middle- income countries: Experiences from Mombasa, Lusaka and Hawassa.

Moturu A, Virani SS, Jaraczewski T, Melesse B, Vo T, Ko CY, Pikiti F, Sonkwe H, Moyo B, McQueen K, Tefera G, Peters X, Ojuka D, Kaafarani H, Parker R, Dodgion C, Rusy D, Zafar SN.
World J Surg. 2026 Jan;50(1):75-84. doi: 10.1002/wjs.70126. Epub 2025 Oct 9.
PMID: [41068051](#); PMCID: PMC12831525.

Performance of postoperative imaging for leak detection following repair of upper gastrointestinal perforation.

Junak M, Joshi D, Rendell VR, Toia GV, Shahan CP.
J Surg Res. 2026 Feb;318:188-192. doi: 10.1016/j.jss.2025.12.026. Epub 2026 Jan 16.
PMID: [41547331](#).

ACUTE CARE AND REGIONAL GENERAL SURGERY

Association of geriatric consult services with geriatric processes of care and clinical outcomes in US trauma centers.

Ordoobadi AJ, Ho VP, Mahajan A, Cocanour C, Nathens AB, Zarzaur BL, Joseph B, Posluszny J, Stein DM, Jarman MP; American Association for the Surgery of Trauma Geriatric Committee and the American College of Surgeons Committee on Trauma Best Practice Guidelines Work Group.
J Am Geriatr Soc. 2026 Jan 26. doi: 10.1111/jgs.70320. Epub ahead of print.
PMID: [41582694](#).

Insulin-dependence and survival in pancreatic neuroendocrine tumors: Results from the US-NTSG Group.

Mirza MB, Baechle JJ, Smith PM, Ali D, Dillhoff M, Poultsides G, Rocha FG, Cho CS, Winslow ER, Fields RC, Maithel SK, Idrees K.
J Surg Oncol. 2026 Feb;133(2):153-160. doi: 10.1002/jso.70174. Epub 2026 Jan 11.
PMID: [41520322](#); PMCID: PMC12863235.

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](#).

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

Lauer KV, O'Rourke AP, Austin-Nash KE, Zarzaur BL, Werner NL.
Injury. 2026 Jan;57(1):112625. doi: 10.1016/j.injury.2025.112625. Epub 2025 Jul 28.
PMID: [40750533](#).

Surgical critical care entrustable professional activities: A new era in assessment.

Stein DM, Hildreth AN, Kaups KL, Agapian JV, Chung CY, Gelbard RB, Gummadi S, Jawa R, Jung HS, Robles A, Scott SE, Smith SG, Brasel KJ.
J Trauma Acute Care Surg. 2026 Jan 8. doi: 10.1097/TA.0000000000004867. Epub ahead of print.
PMID: [41498759](#).

The AAST International Relations Committee: Fostering education, scholarship, research and partnership.

Guo WA, Brahmabhatt TS, Jawa RS, Buhavac M, LaGrone LN, Nehra D, Bagaria D, Zhang G, de Moya M, Peralta R, Asensio JA, Aboutanos MB, Dicker R; AAST International Relations Committee.
J Trauma Acute Care Surg. 2026 Jan 21. doi: 10.1097/TA.0000000000004902. Epub ahead of print.
PMID: [41632447](#).

The current state of acute care surgery workforce and practice models: A joint statement by the American Association for the Surgery of Trauma, the American College of Surgeons Committee on Trauma, the Eastern Association for the Surgery of Trauma, and the Western Trauma Association.

Staudenmayer KL, Barmparas G, Barnes SL, Biffl WL, Cohen MJ, Davis KA, de Moya M, Goldberg AJ, Joseph B, Martin RS, Murphy PB, Rizzo AG, Rotondo M, Savage SA, Smith JW, Todd SR, Zarzaur BL, Bulger E.
J Trauma Acute Care Surg. 2026 Mar 1;100(3):380-385. doi: 10.1097/TA.0000000000004857. Epub 2026 Jan 20.
PMID: [41728876](#); PMCID: PMC12928815.

CARDIOTHORACIC SURGERY

Active and passive cardiac indexes as complementary predictors of outcomes after left ventricular assist device implantation.

Vincy Tam WS, Calderon R, Lu S, Todd A, Rosenbaum A, Stulak JM, Tang PC.
J Thorac Cardiovasc Surg. 2026 Jan;171(1):218-228.e5. doi: 10.1016/j.jtcvs.2025.09.005. Epub 2025 Sep 8.
PMID: [40930378](#); PMCID: PMC12662587.

COLORECTAL SURGERY

Beyond bleeding, infection, damage to surrounding structures: Challenges and opportunities when communicating about surgical risks.

Fritz ML, De Roo AC.
Clin Colon Rectal Surg. 2025 Apr 24;39(1):95-101. doi: 10.1055/s-0045-1807757.
PMID: [41425100](#); PMCID: PMC12716918.

Fluoro-forest: A random forest workflow for cell type annotation in high-dimensional immunofluorescence imaging with limited training data.

Brand J, Zhang W, Carchman E, Dinh HQ.
Bioinform Adv. 2025 Dec 24;6(1):vbaf320. doi: 10.1093/bioadv/vbaf320.
PMID: [41523652](#); PMCID: PMC12782655.

Surgery-induced and associated long-term strictures.

Freeman MJ, Praska CE, Sanger CB.
Clin Colon Rectal Surg. 2025 Apr 17;39(1):83-88. doi: 10.1055/s-0045-1807728.
PMID: [41425098](#); PMCID: PMC12716921.

What every colorectal surgeon should know about the Centers for Medicare & Medicaid Services Age-Friendly Hospital Measure.

Cohan JN, Berian JR; ASCRS Healthcare Economics Committee.
Dis Colon Rectum. 2026 Jan 22. doi: 10.1097/DCR.0000000000004146. Epub ahead of print.
PMID: [41568723](#).

ENDOCRINE SURGERY

Barriers to workup and referral of primary hyperparathyroidism: A qualitative study of providers' perspectives.

Cooper E, Gutierrez-Meza D, Alagoz E, O'Connor J, Sanghvi A, Balentine C, Sippel R, Chiu A.
Surgery. 2026 Jan;189:109711. doi: 10.1016/j.surg.2025.109711. Epub 2025 Oct 8.
PMID: [41062397](#).

Expectations vs reality of an intraoperative artificial intelligence intervention.

Thornton M, Cher BAY, Macdonald C, Baker JG, Marten EL, Mai D, Sankaranarayanan G, Balentine CJ.
JAMA Surg. 2026 Jan 14:e256029. doi: 10.1001/jamasurg.2025.6029. Epub ahead of print.
PMID: [41533394](#); PMCID: PMC12805492.

"I have no idea why I am here": A mixed methods analysis to characterize barriers to referral and surgical treatment in disadvantaged patients with primary hyperparathyroidism.

Smith ER, Chiu AS.
Surgery. 2026 Jan;189:109785. doi: 10.1016/j.surg.2025.109785. Epub 2025 Oct 28.
PMID: [41152115](#).

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](#).

Setting yourself up for reoperative surgical success: Lessons learned from a 10-year experience with selective venous sampling for reoperative parathyroidectomy.

Smith ER, Cooper E, Pinchot J, Sippel RS. Surgery. 2026 Jan;189:109708. doi: 10.1016/j.surg.2025.109708. Epub 2025 Sep 26. PMID: [41015677](#).

MINIMALLY INVASIVE SURGERY

Growth differentiation factor 15 elevation in the central nervous system is associated with failure to thrive in Alexander disease.

Hagemann TL, Sonsalla MM, Luzinski C, Zacahua F, Harris DA, Lamming DW, Messing A. Ann Clin Transl Neurol. 2026 Jan;13(1):144-156. doi: 10.1002/acn3.70209. Epub 2025 Sep 29. PMID: [41024483](#); PMCID: PMC12790171.

Proton density fat fraction for diagnosis of metabolic dysfunction-associated steatotic liver disease.

Panagiotopoulos N, Wolfson T, Harris DT, Batakis D, Agni R, Ceriani L, Covarrubias Y, Hamilton G, Middleton MS, Martins VF, Gamst AC, Oechtering TH, Sappenfield R, Horgan S, Grunvald E, Funk LM, Jacobsen GR, Lidor AO, Goodman JA, Khoury SB, Sirlin CB, Reeder SB. Hepatology. 2026 Jan 1;83(1):127-141. doi: 10.1097/HEP.0000000000001318. Epub 2025 Mar 25. PMID: [40132140](#); PMCID: PMC12353623.

PEDIATRIC SURGERY

Calculating carbon reduction via pediatric outreach clinics from a surgical patient cohort.

Walker B, Barbosa A, Stellon M, Nichol PF. J Surg Res. 2026 Jan;317:409-415. doi: 10.1016/j.jss.2025.11.044. Epub 2025 Dec 17. PMID: [41411769](#).

Is appendiceal cancer a risk of nonoperative management of pediatric uncomplicated appendicitis?

Turpin AG, Asti L, Lutz C, Saito JM, Mak GZ, Hirschl RB, Gadepalli S, Helmrath MA, Leys CM, Lal DR, Flynn-O'Brien KT, Sato TT, Landman MP, Markel TA, Kabre R, Fallat ME, Deans KJ, Minneci PC. J Surg Res. 2026 Jan;317:161-166. doi: 10.1016/j.jss.2025.11.030. Epub 2025 Dec 10. PMID: [41380223](#).

Renal sarcomas in children and adolescents: A retrospective, multicenter cohort study.

McKay KG, Beckhorn C, Kontchou NT, Kastenber ZJ, Roach J, Mullapudi B, Lautz TB, Dasgupta R, Talbot LJ, Aldrink JH, Piché N, Craig BT, Cromeens B, Castle SL, Short J, Petroze RT, Mattei P, Rothstein DH, Fialkowski EA, Rich BS, Brown EG, Seemann NM, Le HD, Ahmed TM, Newman EA, Grant CN, Polites SF, Cameron DB, Kim ES, Austin MT, Coakley BA, Murphy JT, Boehmer C, Malek MM, Tracy E, Lovvorn HN 3rd; Pediatric Surgical Oncology Research Collaborative. EClinicalMedicine. 2025 Dec 18;91:103713. doi: 10.1016/j.eclinm.2025.103713. PMID: [41509607](#); PMCID: PMC12775861.

PLASTIC SURGERY

Coexisting in a crowded field: A 10-year comparison of procedural volumes of plastic surgeons and other surgical specialties in the United States.

MacKenzie EL, Orgun D, Matabele KLW, Poore SO.
Arch Plast Surg. 2026 Jan 30;53(1):102-116. doi: 10.1055/a-2731-4559.
PMID: [41625405](#); PMCID: PMC12858312.

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. 2026 Jan 1;157(1):111-118. doi: 10.1097/PRS.0000000000012191. Epub 2025 May 7.
PMID: [40331586](#).

Evaluating the detection accuracy of AI-generated content in plastic surgery: A comparative study of medical professionals and AI tools.

Fine KS, Zona EE, O'Shea AW, Via EC, Attaluri PK, Wirth PJ, Dingle AM, Poore SO.
Plast Reconstr Surg. 2026 Jan 1;157(1):129e-136e. doi: 10.1097/PRS.0000000000012242. Epub 2025 Jun 10.
PMID: [40492637](#).

Imaging lymphatic function and inflammation response through hypoxia via endogenous biomarker.

Ochoa MI, Cao X, Reed MS, Matkovic E, Zeng W, Poore SO, Pogue BW.
J Biomed Opt. 2026 Jan;31(1):016003. doi: 10.1117/1.JBO.31.1.016003. Epub 2025 Dec 29.
PMID: [41473766](#); PMCID: PMC12747121.

In response to inconsistent associations of Modified Frailty Index-5 with adverse head and neck reconstruction outcomes.

Orgun D, Poore SO.
Laryngoscope. 2026 Jan;136(1):E5-E6. doi: 10.1002/lary.70096. Epub 2025 Sep 3.
PMID: [40899650](#).

Mastectomy reconstruction techniques for gender diverse breast cancer and high risk patients: A case series and literature overview.

Calderon T, Antongiovanni JT, Eble DJ, Nguyen AL, Mosieri CA, Gavrilesco A, Goldsberry-Long SR, Lentz RB, Inchauste SM.
J Clin Med. 2026 Jan 6;15(2):441. doi: 10.3390/jcm15020441.
PMID: [41598380](#); PMCID: PMC12842483.

Navigating postacute care pathways following hospital discharge in plastic surgery.

Quach MP, Zona EE, Craig JN, Seitz AJ, Rao VK.
Plast Reconstr Surg Glob Open. 2026 Jan 6;14(1):e7389. doi: 10.1097/GOX.0000000000007389.
PMID: [41503201](#); PMCID: PMC12772473.

Reconsidering percentile reporting in plastic surgery in-service examinations: Insights from the trainee perspective.

Zeitouni F, Craig J, Tierney M, Attaluri PK, Rao VK.
Plast Reconstr Surg Glob Open. 2026 Jan 6;14(1):e7393. doi: 10.1097/GOX.0000000000007393.
PMID: [41503199](#); PMCID: PMC12772463.

SURGICAL ONCOLOGY

Breast surgical perspectives on the NSABP B-51/RTOG 1304 trial on omission of regional nodal irradiation after response to neoadjuvant chemotherapy.

Kantor O, Woodfin AA, Specht M; Society of Surgical Oncology Breast Disease Site Working Group. *Ann Surg Oncol*. 2026 Jan 20. doi: 10.1245/s10434-025-18989-w. Epub ahead of print. PMID: [41555134](#).

Epigenetic regulation of higher-order chromatin structure (HOCS) and its implication in human diseases.

Ladel L, Sailo B, Das P, Lin ES, Tan WY, Chhoda A, Tang H, Ang-Olson O, He L, John N, Kratz JD, Sharma A, Ahuja N. *Cancers (Basel)*. 2026 Jan 31;18(3):483. doi: 10.3390/cancers18030483. PMID: [41681953](#); PMCID: PMC12897372.

Liver hypertrophy post-Yttrium-90 versus portal vein embolization: A systematic review and meta-analysis.

Virani SS, Ahmed KS, Mahmud O, Saqib S, Khan MA, Christensen L, Zafar SN. *Ann Hepatobiliary Pancreat Surg*. 2026 Feb 28;30(1):35-41. doi: 10.14701/ahbps.25-228. Epub 2026 Jan 30. PMID: [41611446](#).

Long-term postoperative recovery trajectories among older individuals undergoing major operation.

Khalil M, Altaf A, Woldesenbet S, Zindani S, Rashid Z, Zafar SN, Pawlik TM. *J Am Coll Surg*. 2026 Feb 1;242(2):366-376. doi: 10.1097/XCS.0000000000001636. Epub 2026 Jan 15. PMID: [41051110](#).

Novel electronic health record-based data commons for pancreatic cancer.

Ahmed KS, Marcinak CT, Ali MM, Issaka SM, Yan Y, McMahan G, Callaci T, LoConte NK, Shiefelbein A, Weber S, Afshar M, Churpek MM, Mathew J, Zafar SN. *JCO Clin Cancer Inform*. 2026 Jan;10:e2400265. doi: 10.1200/CCI-24-00265. Epub 2026 Jan 9. PMID: [41512230](#); PMCID: PMC12795310.

Preliminary evaluation of the acceptability, appropriateness, and feasibility of an online sexual health educational video series for breast cancer patients.

Higgins MG, Helmkamp L, Zimmaro LA, Leslie SE, Adams M, Vemuru S, Huynh VD, Baurle E, Bozzuto L, Rojas KE, Coons HL, Arkema A, Tevis S. *Support Care Cancer*. 2026 Jan 26;34(2):130. doi: 10.1007/s00520-026-10381-y. PMID: [41586882](#).

Resident satisfaction with feedback quantity on best and worst rotations.

Diaconescu A, White E, McLeod MC, Wilson DDM, Sarosi G, Barry C, Jones A, Minter R, Brasel K, Lindeman B. *J Am Coll Surg*. 2026 Jan 23. doi: 10.1097/XCS.0000000000001799. Epub ahead of print. PMID: [41575449](#).

Risk counseling tools for contralateral breast cancer risk after genetic testing.

Beck AC, Wilke LG, Lizarraga IM. *JAMA Netw Open*. 2026 Jan 2;9(1):e2551543. doi: 10.1001/jamanetworkopen.2025.51543. PMID: [41525079](#).

TRANSPLANTATION

Donor-derived cell-free DNA in pancreas-kidney, heart-kidney, and liver-kidney multiorgan transplant recipients (MOTR).

Gupta G, Wojciechowski D, Sener A, Gong T, Dunn TB, Costa N, Odorico JS, Daloul R, Rohan VS, Biagini DG, Barnes D, Kaur N, Gude G, Ahmed E, Xie J, Spellicy CJ, Al Haj Baddar N, Bloom MS, Demko Z, Prewett A, Gauthier P, Bhorade S, Tabriziani H, Akkina SK.

Transpl Int. 2026 Jan 19;38:15823. doi: 10.3389/ti.2025.15823.

PMID: [41635311](#); PMCID: PMC12862255.

Evaluating diagnosis and clinical outcome for antibody-mediated rejection in liver transplantation: Performance of the 2016 Banff Working Group criteria.

Liang TZ, Toomer KH, Gareau A, Birkness-Gartman JE, Gurakar A, Anders RA, Kinowaki K, Oshima K. Virchows Arch. 2026 Jan 2. doi: 10.1007/s00428-025-04356-3. Epub ahead of print.

PMID: [41483300](#).

Exploring non-utilitarian justifications of allocation out of sequence.

Kelleher JP, Persad G, Thiessen C.

Am J Bioeth. 2026 Jan;26(1):90-92. doi: 10.1080/15265161.2025.2594435. Epub 2026 Jan 14.

PMID: [41533115](#).

Quantifying center-level aggressiveness in transplanting suboptimal, deceased donor kidneys in the United States.

Chiang TP, Eagleson MA, Motter JD, Krach MR, Sung HC, Wood NL, Segev DL, Stewart DE, Massie AB, Garonzik-Wang JM.

Transplant Direct. 2026 Jan 12;12(2):e1886. doi: 10.1097/TXD.0000000000001886.

PMID: [41531838](#); PMCID: PMC12795041.

VASCULAR SURGERY

Design and rationale of the TOGETHER registry: A global prospective study of Gore aortic devices.

Khashram M, Yamanouchi D, Trimarchi S, Gable D, Milner R, Feito Y; TOGETHER Registry Investigators.

Eur J Vasc Endovasc Surg. 2026 Jan;71(1):149-150. doi: 10.1016/j.ejvs.2025.06.065. Epub 2025 Jun 30.

PMID: [40602596](#).
