



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

MAY 2026 PUBLICATIONS

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

CROSS-DIVISION COLLABORATIONS

EasyVis2: A real-time multi-view 3D visualization system for laparoscopic surgery training enhanced by a deep neural network YOLOv8-pose.

Sun YH, Shen G, Fernandes J, Chen J, Shada A, Heise C, Jiang H, Hu YH.

Updates Surg. 2026 May 26. doi: 10.1007/s13304-026-02687-7. Epub ahead of print.

PMID: [42189372](#).

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. 2026 May 1;72(5):e81-e82. doi: 10.1097/MAT.0000000000002585. Epub 2025 Nov 11.

PMID: [41214494](#).

Tumor matrix proteoglycan accumulation and processing alter T-cell effector function and the response to immunotherapy in patients with oligometastatic colorectal cancer.

Deming DA, Kraus SG, Brand J, Johnson KA, Abbott D, Kratz J, Turk AA, Emmerich P, Carchman E, Lubner SJ, LoConte NK, Uboha NV, Chaudhuri S, Shah R, Field A, Field E, Pasch CA, Kim DH, Weber S, Heise C, Lawson E, Sanger C, Matkowskyj K, Asimakopoulos F, Eickhoff J, Dinh HQ, Bassetti MF.

Clin Cancer Res. 2026 May 1;32(9):1707-1723. doi: 10.1158/1078-0432.CCR-25-2780.

PMID: [41671077](#).

ACUTE CARE AND REGIONAL GENERAL SURGERY

A prospective, randomized, multicenter trial comparing lactated ringer's alone or with 5% albumin for resuscitation of large burns: The Acute Burn Resuscitation Multicenter Prospective Trial 2 (ABRUPT2).

Greenhalgh DG, Cartotto R, Taylor S, Fine J, Wallace D, Hassouba M, Velamuri SR, Marano M, Slater J, Eshraghi N, Kwan P, Wibbenmeyer L, Gibson A, Turkowski J, Winski F, Holmes J 4th, Dvorak J, Claridge J, Fischer S, Munden A, Kubasiak JC, Bhavsar D, Pham T, Satahoo S, Meyer N.

Ann Surg. 2026 May 18. doi: 10.1097/SLA.0000000000007096. Epub ahead of print.

PMID: [42144653](#).

American Association for the Surgery of Trauma/American College of Surgeons-Committee on Trauma Clinical Consensus Statement on the management of patients with rib fractures.

Park C, Schwed AC, Buhavac M, Coleman JR, Cross A, Jacovides CL, Yoo B, Agarwal S, Rappold J, Savage SA; Philadelphia, Pennsylvania.

J Trauma Acute Care Surg. 2026 May 15. doi: 10.1097/TA.0000000000005008. Epub ahead of print.

PMID: [42138302](#).

Gallbladder and sphincter of Oddi disorders.

Elmunzer BJ, Winslow E, De Giorgio R, Laghi A, Arvanitakis M, Elta G, Corazziari E.

Gastroenterology. 2026 May;170(6):1303-1317. doi: 10.1053/j.gastro.2026.01.035. Epub 2026 Feb 17.

PMID: [41713708](#).

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, Kirsch JM, Robles A, Scott SE, Smith SG, Brasel KJ.

J Trauma Acute Care Surg. 2026 Jun 1;100(6):982-988. doi: 10.1097/TA.0000000000004867. Epub 2026 May 22.

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; Buffalo, New York.

J Trauma Acute Care Surg. 2026 Jun 1;100(6):e57-e61. doi: 10.1097/TA.0000000000004902. Epub 2026 May 22.

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, Biffi 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 Am Coll Surg. 2026 May 1;242(5):1419-1425. doi: 10.1097/XCS.0000000000001835. Epub 2026 Apr 16.

PMID: [41728846](#).

CARDIOTHORACIC SURGERY

Lung transplant outcomes in the Veterans Health Administration.

Barron JO, Thuita L, Blackstone EH, Valapour M, McCarthy DP, DeCamp MM, McCurry KR, Budev MM, Elgharably H, Yun J, Raja S, Murthy SC, Ahmad U.

Ann Thorac Surg. 2026 May;121(5):1211-1220. doi: 10.1016/j.athoracsur.2025.09.014. Epub 2025 Oct 10.

PMID: [41076000](#).

COLORECTAL SURGERY

Organoid level assessments of human primary and metastatic colorectal cancer-derived organoids predict response to chemotherapy and chemoradiation.

Udgata S, Schmitz AE, Gillette AA, Sorenson AG, Riendeau JM, Engeldinger R, Stoecker JN, Steimle AK, Johnson KA, Kittelson D, Isaak A, Kratz JD, Carchman E, Kimple R, Pasch CA, Skala MC, Deming DA.

Cancers (Basel). 2026 May 13;18(10):1587. doi: 10.3390/cancers18101587.

PMID: [42192947](#); PMCID: PMC13205027.

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

Cohan JN, Berian JR; American Society of Colon and Rectal Surgeons Healthcare Economics Committee.

Dis Colon Rectum. 2026 May 1;69(5):736-740. doi: 10.1097/DCR.0000000000004146. Epub 2026 Jan 22.

PMID: [41568723](#).

ENDOCRINE SURGERY

Barriers to the implementation of local anesthesia for older adults undergoing inguinal hernia repair.

Mai D, Cher BAY, Lunardi N, Thornton M, Baker JG, Macdonald C, Skinner CS, Brown CJ, Marten EL, Makris K, Heredia MLM, Berger M, Cullum CM, Lee S, Pham TH, Balentine CJ.

J Am Geriatr Soc. 2026 May;74(5):1348-1357. doi: 10.1111/jgs.70402. Epub 2026 Mar 26.

PMID: [41885347](#).

Enhancing reality in the multidisciplinary world-Reply.

Talwalkar A, Macdonald C, Balentine CJ.

JAMA Surg. 2026 May 20. doi: 10.1001/jamasurg.2026.1496. Epub ahead of print.

PMID: [42160089](#).

Using sensitivity analysis to evaluate the fracture benefit of parathyroidectomy.

Cher BAY, Lin Q, Marten E, Thornton M, Chiu A, Elfenbein D, Holoubek S, Long K, Schneider DF, Sippel RS, Soe K, Frank KA, Balentine CJ.

Surgery. 2026 May 13;196:110222. doi: 10.1016/j.surg.2026.110222. Epub ahead of print.

PMID: [42127703](#).

MINIMALLY INVASIVE SURGERY

Comparative precision of 3D MRE and 2D MRE for measurement of liver stiffness in adults with severe obesity.

Müller L, Ceriani L, Harris DT, Wolfson T, Batakis D, Agni R, Covarrubias Y, Pepin K, Ehman RL, Heilman J, Panagiotopoulos N, Hamilton G, Middleton MS, Martins VF, Gamst AC, Sappenfield R, Grunvald E, Funk LM, Jacobsen GR, Lidor AO, Goodman JA, Khoury SB, Sirlin CB, Reeder SB.

Radiology. 2026 May;319(2):e253243. doi: 10.1148/radiol.253243.

PMID: [42084509](#); PMCID: PMC13216705.

Restriction of individual branched-chain amino acids has distinct effects on the development and progression of Alzheimer's disease in 3xTg mice.

Babygirija R, Green CL, Sonsalla MM, Le IMF, Xiao F, Yandell S, Calubag MF, Trautman ME, Tobon A, Matoska R, Yeh CY, Opara CI, Grunow I, Verstein D, Schlorf S, Knopf BA, Rigby MJ, Harris DA, Keller MP, Attie AD, Puglielli L, Jang C, Lamming DW.

Adv Sci (Weinh). 2026 May;13(30):e15220. doi: 10.1002/advs.202515220. Epub 2026 Mar 12.

PMID: [41817439](#); PMCID: PMC13248761.

PLASTIC SURGERY

Blocking the holes: A systems-based approach to error prevention in the operating room using the Swiss cheese model.

Khosla AS, Zona EE, Quach MP, LaLiberte CJ, Poore SO.

Plast Reconstr Surg. 2026 May 1;157(5):815e-816e. doi: 10.1097/PRS.0000000000012561. Epub 2025 Oct 23.

PMID: [41129820](#).

Etiologies of wrist arthritis in the young patient.

Nicksic PJ, Israel JS.

Hand Clin. 2026 May;42(2):117-127. doi: 10.1016/j.hcl.2025.12.003. Epub 2026 Feb 16.

PMID: [41864624](#).

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](#).

Leveraging TikTok in plastic surgery: A practical framework for patient education, professional branding, and ethical use.

Gupta S, Botros NE, Khosla AS, Zona EE, Fine KS, Wirth PJ, Rao VK.

Aesthet Surg J Open Forum. 2026 May 12;8:ojag084. doi: 10.1093/asjof/ojag084.

PMID: [42266712](#); PMCID: PMC13245653.

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, Ntiringanya F, Rohde CH, Pusic AL, Dingle AM, Poore SO.

J Plast Reconstr Aesthet Surg. 2026 May 10;118:174-178. doi: 10.1016/j.bjps.2026.05.019. Epub ahead of print.

PMID: [42208201](#).

Redrawing the field: Artificial intelligence and the fate of medical illustration in plastic surgery.

LaLiberte CJ, Zona EE, Craig JN, Dingle AM, Poore SO.

Plast Reconstr Surg. 2026 May 27. doi: 10.1097/PRS.0000000000013227. Epub ahead of print.

PMID: [42202267](#).

Sensory recovery of foot and ankle reconstruction with neurotized ALT flaps: A systematic review.

Chen AJ, Snee IA, Nguyen JD, Khong J, Laning EK, Park KE, Mundy LR, Dingle AM, Poore SO.

J Reconstr Microsurg. 2026 May 1. doi: 10.1055/a-2858-3815. Epub ahead of print.

PMID: [42066790](#).

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](#).

Toward individualized management: A commentary on perioperative systemic therapy guidelines in breast cancer surgery and reconstruction. Comment on Galuia et al. Perioperative Drug Management of Systemic Therapies in Breast Cancer: A Literature Review and Treatment Recommendations.

Zona EE, Israel JS.
Curr. Oncol. 2025, 32, 154. Curr Oncol. 2026 May 19;33(5):294. doi: 10.3390/currenocol33050294.
PMID: [42187611](#); PMCID: PMC13205026.

SURGICAL ONCOLOGY

ASO Author Reflections: It's time to take dyspepsia seriously.

Kelly KJ.
Ann Surg Oncol. 2026 May 27. doi: 10.1245/s10434-026-19880-y. Epub ahead of print. Erratum in: Ann Surg Oncol. 2026 Jun 5. doi: 10.1245/s10434-026-19945-y.
PMID: [42201489](#).

Commission on Cancer quality measures: Time to breast operation quality measure.

Bleicher RJ, Hwang ES, Wilke LG, Freedman LM, Froix AJ, Ray EM, Sala CM, Park KU, Yao KA.
J Am Coll Surg. 2026 Jun 1;242(6):1699-1702. doi: 10.1097/XCS.0000000000001731. Epub 2026 May 14.
PMID: [41384625](#).

Improving predicted risk of recurrence using molecular profiling in papillary thyroid cancer.

Li Z, Ng Yi GM, Deters VL, Chang J, Tran A, Kenny C, Braun T, Weigel RJ, Beck AC.
Sci Rep. 2026 May 6. doi: 10.1038/s41598-026-50784-9. Epub ahead of print.
PMID: [42091941](#).

Prevalence and factors associated with financial toxicity among patients with GI cancer in Pakistan.

Virani SS, Shaukat F, Khursheed AA, Siddiqui MTUH, Saleem L, Jamal A, Lumati JS, Khan MR, Zafar SN.
JCO Glob Oncol. 2026 May;12(5):e2500565. doi: 10.1200/GO-25-00565. Epub 2026 May 15.
PMID: [42139641](#).

Providing information to prepare breast cancer patients for their surgical consultation: Barriers and recommendations (an analysis from Alliance A231701CD).

Saucke MC, Jacobson N, Chow S, McKinney G, Neuman HB.
Support Care Cancer. 2026 May 14;34(6):537. doi: 10.1007/s00520-026-10726-7.
PMID: [42128956](#); PMCID: PMC13171935.

The *DNAJB1-PRKACA* oncogenic fusion drives stepwise biliary and pancreatic carcinogenesis from intraductal precursor lesions.

Carney PR, Nukaya M, Carter JA, Veltri AJ, Matkowskyj KA, Stram A, Rubinstein CD, Veith AC, Pillarisetty VG, Bradfield CA, Ronnekleiv-Kelly SM.
bioRxiv [Preprint]. 2026 May 27:2026.05.23.727425. doi: 10.64898/2026.05.23.727425.

PMID: [42244708](#); PMCID: PMC13232256.

The full scope: Standardization of the use of endoscopy for earlier diagnosis of stomach cancer in the USA.

Sigler G, Walker B, Weiss J, Benson M, Gopal D, Pfau P, Kelly KJ.

Ann Surg Oncol. 2026 May 6. doi: 10.1245/s10434-026-19765-0. Epub ahead of print.

PMID: [42091830](#).

Uncovering the roots of inequity: Social determinants and racial disparities among gastrointestinal cancer patients.

Al Rubaye MZ, Ahmed KS, Issaka SM, Maisam M, Stalter LN, Awan AH, Weber SM, Zafar SN.

J Racial Ethn Health Disparities. 2026 May 15. doi: 10.1007/s40615-026-03005-y. Epub ahead of print.

PMID: [42141357](#).

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 May 29;aaajaf039. doi: 10.1093/joneph/aaajaf039. Epub ahead of print.

PMID: [42212573](#).

Comparison of laparoscopic and hand-assisted live donor nephrectomy: An analysis of NSQIP Transplant.

Amara D, Grieco A, Covarrubias K, Liu Y, Stock PG, Foley D, Greenstein S, Hirose R, Parekh JR.

Transplant Direct. 2026 Apr 17;12(5):e1946. doi: 10.1097/TXD.0000000000001946.

PMID: [42017069](#); PMCID: PMC13095334.

Portal-venous 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.

JAMA Surg. 2026 May 27:e261604. doi: 10.1001/jamasurg.2026.1604. Epub ahead of print.

PMID: [42201712](#); PMCID: PMC13217262.

Prophylactic ureteral stenting in kidney transplantation: A multivariable and propensity score-matched analysis of 3407 recipients from NSQIP Transplant.

Amara D, Melehy A, Parekh J, Greenstein S, Foley D, Sudan D, Agopian V, Bui AAT, Stock P, Hirose R.

Transplantation. 2026 May 1;110(5):e1100-e1111. doi: 10.1097/TP.0000000000005660. Epub 2026 Feb 19.

PMID: [41711496](#).

Rethinking the use of immunotherapy post-liver transplantation: Standardized protocols with low risk of rejection.

Al-Adra DP.

Liver Transpl. 2026 May 1;32(5):643-644. doi: 10.1097/LVT.0000000000000786. Epub 2025 Dec 12.

PMID: [41396577](#).

Spatially resolved lipid compartmentalization in human pancreatic islets revealed by high-resolution ultra-low-flow-rate desorption electrospray ionization mass spectrometry imaging.
Lee WJ, Duong T, Zhang H, Kapadia D, Chlebeck P, Lu KH, Chamberlain CS, Odorico JS, Li L.
Anal Bioanal Chem. 2026 May 22. doi: 10.1007/s00216-026-06557-4. Epub ahead of print.
PMID: [42168637](#).

The elusive definition of Type 2 diabetes in the context of pancreas transplantation: Summary of the International Pancreas and Islet Transplantation Association Pre-Congress Meeting.
Fridell JA, Dunn TB, Oram RA, Sadhu AR, Spaggiari M, Dib YE, Odorico JS.
Transplantation. 2026 May 18. doi: 10.1097/TP.0000000000005757. Epub ahead of print.
PMID: [42150118](#).

VASCULAR SURGERY

Applying a Better Conversations framework to dialysis decision-making for patients with advanced CKD.

Schell JO, Schwarze ML, Arnold RM, Moss AH.
J Am Soc Nephrol. 2026 May 29. doi: 10.1681/ASN.0000001163. Epub ahead of print.
PMID: [42213494](#).

Operationalising 'what matters' - Will we ever find a way to patient-centred care?

Schwarze M, Telma K, Taylor LJ.
BMJ Qual Saf. 2026 May 21:bmjqs-2026-020447. doi: 10.1136/bmjqs-2026-020447. Epub ahead of print.
PMID: [42167922](#).

The feasibility and utility of vascular surgery entrustable professional activities: A multi-institutional pilot study.

Serena T, Weaver ML, Sun T, Mannoia K, Soult MC, Etkin Y, Motaganahalli R, Smith BK.
J Surg Educ. 2026 May;83(5):103885. doi: 10.1016/j.jsurg.2026.103885. Epub 2026 Feb 15.
PMID: [41691722](#).

Transition between residency and fellowship: A national study of the longitudinal alignment between ACGME milestones for general surgery residency and subsequent vascular surgery fellowship.

Johnston TM, Hogan SO, Weaver ML, Sun T, Smith BK, Park YS.
Ann Surg. 2026 May 5. doi: 10.1097/SLA.0000000000007081. Epub ahead of print.
PMID: [42083074](#).

OTHER

"Always over their shoulder": Educator and resident perceptions of supervision and autonomy in pediatric surgery rotations.

Kochis MA, Nzenwa IC, Wieck MM, Jung S.
Am J Surg. 2026 May 16:117035. doi: 10.1016/j.amjsurg.2026.117035. Epub ahead of print.
PMID: [42167979](#).
