



## Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

# FEBRUARY 2026 PUBLICATIONS

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

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### **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. 2026 Feb 1;157(2):227-236. doi: 10.1097/PRS.00000000000012325. Epub 2025 Jul 22.

PMID: [40707174](#).

**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](#).

**Tumor matrix proteoglycan accumulation and processing alters 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 Feb 11. doi: 10.1158/1078-0432.CCR-25-2780. Epub ahead of print.

PMID: [41671077](#).

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### **ACUTE CARE AND REGIONAL GENERAL SURGERY**

**Gallbladder and sphincter of Oddi disorders.**

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

Gastroenterology. 2026 Feb 17:S0016-5085(26)00124-1. doi: 10.1053/j.gastro.2026.01.035. Epub ahead of print.

PMID: [41713708](#).

**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.

**Nutrition interventions and post-intensive care syndrome: A narrative review.**

Dupuis C, Preiser JC, Busch RA, Coursin DB, Long MT.  
Nutr Clin Pract. 2026 Apr;41(2):375-392. doi: 10.1002/ncp.70102. Epub 2026 Feb 23.  
PMID: [41731734](#).

**Screen-and-treat in trauma for opioid misuse prevention using an adaptive intervention (STOMP-AI): Protocol for a pilot sequential, multiple assignment, randomized trial.**

Horton DM, Leinweber DL, Salihu E, Sarwar T, Muller H, Trevino C, Zaborek J, Chen G, Quanbeck A, Somers T, Almirall D, Zarzaur B, Brown RT.  
Contemp Clin Trials. 2026 Apr;163:108255. doi: 10.1016/j.cct.2026.108255. Epub 2026 Feb 11.  
PMID: [41688015](#).

**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 Feb 23. doi: 10.1097/XCS.0000000000001835. Epub ahead of print.  
PMID: [41728846](#).

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## **CARDIOTHORACIC SURGERY**

**A simple clinical scoring model to predict significant left main/three-vessel disease in non-ST elevation acute coronary syndrome: The MADISON score.**

Rachwan RJ, Chehab O, Bou Chaaya RG, Daher G, Upadhyay S, Rajput F, Waqar A, Hollnagel F, de Biasi A, Osaki S, Alexanian RA, Tester GA, Lewis DH, Shah AR, Sullivan CE, Gimelli G, Jacobson KM, Filby SJ, Menees DS, Chetcuti SJ, Kleiman NS, Raval AN.  
Int J Cardiol. 2026 Feb 1;444:133976. doi: 10.1016/j.ijcard.2025.133976. Epub 2025 Oct 26.  
PMID: [41151651](#).

**Cancellations in congenital heart disease operations.**

Cook CJ, Switzer JT, Zhang X, Hendrickson N, Hermsen JL, Hokanson JS.  
World J Pediatr Congenit Heart Surg. 2026 Feb 3:21501351251408479. doi: 10.1177/21501351251408479. Epub ahead of print.  
PMID: [41632598](#).

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## **ENDOCRINE SURGERY**

**Overdiagnosis of papillary thyroid cancer.**

Francis DO, Davies L, Zhang Y, Arroyo N, Fernandes-Taylor S, Nordby P, Cher BAY, Venkatesh M, Aiello Bowles EJ, Alagoz O.  
JAMA Netw Open. 2026 Feb 2;9(2):e2559852. doi: 10.1001/jamanetworkopen.2025.59852. Erratum in: JAMA Netw Open. 2026 Apr 1;9(4):e269142. doi: 10.1001/jamanetworkopen.2026.9142.

PMID: [41733915](#); PMCID: PMC12933285.

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## **MINIMALLY INVASIVE SURGERY**

### **Evaluating the economic impact of bariatric surgery: A multi-year comparative analysis.**

Lauer KV, Jawara D, Stalter LN, Hanlon BM, Lemahieu MR, Funk LM.

Am J Surg. 2026 Feb;252:116665. doi: 10.1016/j.amjsurg.2025.116665. Epub 2025 Oct 10.

PMID: [41109813](#); PMCID: PMC12717673.

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## **PEDIATRIC SURGERY**

### **Indocyanine green assists with sentinel lymph node mapping in pediatric and adolescent patients: A Pediatric Surgical Oncology Research Collaborative prospective observational study.**

Schermerhorn SMV, Vore E, Bondoc AJ, Lautz TB, Ayala SA, Kastenber ZJ, Arkin C, Malek MM, Campwala I, Aldrink JH, Horvath KZ, Piché N, Osman Y, Brown EG, Doyle K, Abril P, Roach JP, Ziogas IA, Rhee DS, Chidiac C, Polites SF, Debertin J, Craig BT, Lal DR, Kim ES, Lee WG, Barkhordar A, Le HD, Joshi D, Stellon M, Tracy ET, Beckhorn C, Davies DA, Boehmer C, Dasgupta R.

Cancer. 2026 Feb 15;132(4):e70274. doi: 10.1002/cncr.70274.

PMID: [41653066](#); PMCID: PMC12882109.

### **Percutaneous cryoneurolysis for intercostal neuralgia due to bifid rib in a pediatric patient.**

Verhagen J, Sorensen A, Tracy S, Monroe E.

Pediatr Radiol. 2026 Feb;56(2):491-495. doi: 10.1007/s00247-025-06483-0. Epub 2025 Dec 12.

PMID: [41385101](#); PMCID: PMC12881079.

### **Survival in children with hepatoblastoma and pulmonary metastatic disease at diagnosis based on extent of metastases and need for surgical clearance.**

Polites SF, Vierkant RA, Aldrink JH, Lautz TB, Ragan MV, Reiter A, Chen SY, Kim ES, Rinehardt HN, Malek M, Fleming AM, Murphy AJ, Roach JP, Radhakrishnan S, Piche N, Osman Y, Lovvorn HN 3rd, Tracy ET, Favela J, Le HD, Marquart J, Craig B, Lal DR, Seemann N, Petroze R, Rich BS, Glick RD, Selesner L, Yoo A, Fialkowski E, Brown EG, Boehmer C, Dasgupta R, Langham MR Jr, Tiao GM, Kastenber ZJ.

J Pediatr Surg. 2026 Feb 24;61(6):163034. doi: 10.1016/j.jpedsurg.2026.163034. Epub ahead of print.

PMID: [41747957](#).

### **The limits of humans in data gathering: Documentation error rates in the electronic health record in the operating room.**

Bradley AR, Barbosa A, Younk L, Rocha N, Nichol PF.

J Med Syst. 2026 Feb 9;50(1):17. doi: 10.1007/s10916-026-02346-9.

PMID: [41656408](#); PMCID: PMC12883500.

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## **PLASTIC SURGERY**

### **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](#).

**Risk factors for acute intraoperative bradycardia in patients undergoing gender-affirming mastectomy.**

Thornton SM, Shaffrey EC, Bay CC, Verhagen JC, Wirth PJ, Edalatpour A, Israel JS, Gast KM, Rao VK.

Plast Surg (Oakv). 2024 Oct 9;34(1):104-111. doi: 10.1177/22925503241285458.

PMID: [39545216](#); PMCID: PMC11559548.

**Use of botulinum toxin for the treatment of Raynaud phenomenon.**

Kalluri MH, Edalatpour A, Seitz AJ, Gander BH.

Plast Reconstr Surg Glob Open. 2026 Feb 24;14(2):e7424. doi: 10.1097/GOX.0000000000007424.

PMID: [41743604](#); PMCID: PMC12931934.

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**SURGICAL ONCOLOGY**

**Commission on Cancer quality measure for omission of sentinel lymph node biopsy (SNB) in women age 70 or older with hormone receptor-positive (HR+) invasive breast cancer (IBC) undergoing breast-conserving surgery (BCS): Review of historical performance.**

Yee GN, Hwang S, Wilke LG, Freedman LM, Froix AJ, Ray E, Kuchta K, Eldridge L, Yao KA.

Ann Surg Oncol. 2026 Feb 21. doi: 10.1245/s10434-026-19222-y. Epub ahead of print.

PMID: [41723318](#).

**Comparative analysis of cell-free DNA fragmentation patterns in canines with sarcoma and tumor-free canines and humans.**

Favaro PF, Wang Y, McDonald BR, Wang TX, Jadhav S, Cheng HH, Marcinak CT, Pan X, Murtaza M. Cancer Res Commun. 2026 Feb 1;6(2):310-319. doi: 10.1158/2767-9764.CRC-25-0373.

PMID: [41544207](#); PMCID: PMC13037772.

**Impact of a web-based breast cancer surgery decision aid on knowledge and perceptions of feeling informed in clinics that care for socioeconomically disadvantaged patients: An Alliance Clinical Trial (A231701CD).**

Schumacher JR, Hanlon BM, Zahrieh D, Rathouz PJ, Tucholka JL, McKinney G, Tan AD, Breuer CR, Bailey L, Higham AM, Wechsler JS, Arnold A, Froix AJ, Dull S, Abbott AM, Fine SG, McGuire KP, Seydel AS, McNamara P, Chow S, Neuman HB.

Cancer. 2026 Feb 15;132(4):e70314. doi: 10.1002/cncr.70314.

PMID: [41669989](#); PMCID: PMC12892235.

**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](#); PMCID: PMC12958844.

**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](#).

**Operative strategies for the acute difficult gallbladder: A Society for Surgery of the Alimentary Tract state-of-the-art systematic review and meta-analysis of subtotal cholecystectomy outcomes.**

Nadeem MA, Awan AR, Wehrle CJ, Tsutsumi A, Darby F, Bhandarkar S, Bentrem D, Allen C, Kelly K, Clark C, Augustin T, Ahuja V, Naffouje S.  
J Gastrointest Surg. 2026 Apr;30(4):102345. doi: 10.1016/j.gassur.2026.102345. Epub 2026 Feb 3.  
PMID: [41644007](#).

**Perineural invasion worsens long-term outcomes of pancreatic neuroendocrine tumors following surgical resection.**

Xu H, Hou JJ, Xiang JX, Lopez-Aguiar AG, Poultsides G, Rocha F, Weber S, Fields R, Idrees K, Cho C, Maithel SK, Lv Y, Zhang XF, Pawlik TM.  
Ann Surg Oncol. 2026 Feb;33(2):1586-1594. doi: 10.1245/s10434-025-18561-6. Epub 2025 Oct 16.  
PMID: [41102572](#); PMCID: PMC12765729.

**Pleomorphic and florid lobular carcinoma in situ of the breast: A systematic review of current evidence and knowledge gaps.**

Ferrucci M, Passeri D, Milardi F, Montagna G, Beck AC, Audisio R, Wörnberg F, Franceschini G, Fortunato L, Ghilli M, Guarneri V, Marchet A, Cappellesso R, Dei Tos AP, King TA.  
Breast. 2026 Apr;86:104711. doi: 10.1016/j.breast.2026.104711. Epub 2026 Feb 4.  
PMID: [41643481](#); PMCID: PMC12905746.

**Unmasking inequalities in gastrointestinal cancer outcomes among Asian American subpopulations.**

Wang CC, Ali D, Habib DRS, Shou M, Sun K, Rogers JL, Eng C, Magge D, Zafar SN, Khan A.  
Sci Rep. 2026 Feb 11;16(1):8213. doi: 10.1038/s41598-025-33389-6.  
PMID: [41673032](#); PMCID: PMC12963475.

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## **TRANSPLANTATION**

**Changes by era in risk factors and outcomes among deceased donor kidney transplant recipients with delayed graft function.**

Ylagan CC, Schindler PE, Patel DB, Thiessen C, Bregman AP, Mandelbrot D, Astor BC, Parajuli S.  
Clin Transplant. 2026 Feb;40(2):e70484. doi: 10.1111/ctr.70484.  
PMID: [41691637](#); PMCID: PMC12906863.

**Dual kidney transplantation offers prolonged graft survival.**

Fedorova E, Firmino SN, Foley D, Garonzik-Wang J, Kaufman D, Odorico J, Aufhauser D, Neidlinger NA, Thiessen C, Philip J, Collins KM, Mezrich J, Al-Adra D, Mandelbrot D, Astor BC, Parajuli S.  
Clin Transplant. 2026 Feb;40(2):e70481. doi: 10.1111/ctr.70481.  
PMID: [41674145](#); PMCID: PMC12895095.

**Health-related quality of life after living kidney donation: Insights from a contemporary meta-analysis.**

Garg N, Thiessen C, Mandelbrot DA. Am J Kidney Dis. 2026 Feb;87(2):153-155. doi: 10.1053/j.ajkd.2025.11.002. Epub 2025 Dec 20.  
PMID: [41420641](#).

**Open letter to the FDA: From priority to dead-end: Why are living donor kidney recipients blocked from novel clinical trials?**

Mannon RB, Thiessen C, Vincenti F.

Am J Transplant. 2026 Feb 4:S1600-6135(26)00054-7. doi: 10.1016/j.ajt.2026.02.001. Epub ahead of print.  
PMID: [41651074](#).

**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 Feb 19. doi: 10.1097/TP.0000000000005660. Epub ahead of print.  
PMID: [41711496](#).

**Rituximab-based antibody mediated rejection therapy modestly reduces Xenoreactive antibodies: Implications for pig-to-human xenotransplantation.**

Yeh ST, Marshall NA, Lehman BP, Rubinstein CD, Shanmuganayagam D, Meudt JJ, Redfield RR 3rd, Hidalgo LG, Dominko T, Aufhauser DD.

Transpl Immunol. 2026 Feb;94:102343. doi: 10.1016/j.trim.2025.102343. Epub 2025 Dec 14.  
PMID: [41401855](#).

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## **VASCULAR SURGERY**

**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. 2026 Feb 14;121(18):2983-2995. doi: 10.1093/cvr/cvaf243.

PMID: [41252281](#).

**Smaller oxygen nanobubbles more effectively suppress colitis and colon carcinogenesis than larger oxygen nanobubbles.**

Dorjkhoro G, Okami H, Mutsuki N, Gombodorj N, Erkhem-Ochir B, Khorolgarav E, Zadeh SMM, Katayama C, Miyata E, Shibasaki Y, Nakazawa N, Komine C, Shiraishi T, Okada T, Kimura A, Sano A, Sakai M, Shirabe K, Saeki H, Yamanouchi D, Yokobori T.

Int J Mol Sci. 2026 Feb 19;27(4):1975. doi: 10.3390/ijms27041975.  
PMID: [41752110](#); PMCID: PMC12940223.

**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 Feb 14;83(5):103885. doi: 10.1016/j.jsurg.2026.103885. Epub ahead of print.  
PMID: [41691722](#).

**Vice Chairs of Education in Departments of Surgery: responsibilities, value, and future directions.**

Cooper EMH, Anton NE, Smink DS, Smith BK, Scott DJ, Cochran AL, Terhune K, Shabahang M, Stefanidis D.

J Surg Educ. 2026 Apr;83(4):103864. doi: 10.1016/j.jsurg.2025.103864. Epub 2026 Feb 5.  
PMID: [41650558](#).

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