



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

APRIL 2026 PUBLICATIONS

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

ACUTE CARE AND REGIONAL GENERAL SURGERY

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, Salihi 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, Barnmparas 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

A novel method for the creation of a patient-specific realistic model of hypertrophic cardiomyopathy for surgical myectomy simulation.

García-Rodríguez S, Komatsu T, Guenther T, Thiel A, Bolling BW, Hermsen J.

3D Print Med. 2026 Apr 18. doi: 10.1186/s41205-026-00321-1. Epub ahead of print.

PMID: [42000983](#).

Commentary: Long-term adult congenital heart disease outcomes are influenced by factors out of our control. Is a paradigm shift necessary?

Bartlett HL, Anagnostopoulos PV.

J Thorac Cardiovasc Surg. 2026 Apr;171(4):984-985. doi: 10.1016/j.jtcvs.2025.12.012. Epub 2025 Dec 16.

PMID: [41412323](#).

Non-small cell lung cancer, version 4.2026, NCCN Clinical Practice Guidelines in Oncology.

Riely GJ, Wood DE, Aisner DL, Axtell AL, Bauman JR, Bharat A, Chang JY, Desai A, Dilling TJ, Dowell J, Durm GA, Gettinger S, Grotz TE, Gubens MA, Juloori A, Lackner RP, Lanuti M, Levy B, Lin J, Loo BW Jr, Lovly CM, Maldonado F, Morgensztern D, Mullikin TC, Ng T, Owen D, Owen DH, Patil T, Polanco PM, Riess J, Mendez ALR, Shapiro TA, Singh AP, Stevenson J, Tam A, Tanvetyanon T, Yanagawa J, Yau E, Yun K, Gregory K, Hang L.

J Natl Compr Canc Netw. 2026 Apr;24(4):e260017. doi: 10.6004/jnccn.2026.0017.

PMID: [41956107](#).

STAS more than a prognostic marker - An evolving factor in operative and adjuvant treatment decisions in early-stage NSCLC.

Brady JR, Axtell AL.

Cancers (Basel). 2026 Apr 29;18(9):1414. doi: 10.3390/cancers18091414.

PMID: [42122219](#); PMCID: PMC13162850.

MINIMALLY INVASIVE SURGERY

Atlas of one-carbon metabolism in conventional and germ-free mice reveals folate as a key determinant of biochemical pathways.

Williams J, Kim WS, Danner R, Cho J, Silva BF, Harris DA, Rey FE, Chaudhari SN.

Nat Metab. 2026 Apr;8(4):924-940. doi: 10.1038/s42255-026-01489-w. Epub 2026 Mar 26.

PMID: [41888596](#); PMCID: PMC13121008.

Sleeve gastrectomy improves metabolic health, cognition, and Alzheimer's Disease pathology in 3xTG mice.

Babygirija R, Illiano JA, Sonsalla MM, Zhu G, Mathew T, Molkentin T, Peterson M, Winder C, Xiao F, Wolter JM, Lamming DW, Harris DA.

bioRxiv [Preprint]. 2026 Apr 24:2026.04.21.719988. doi: 10.64898/2026.04.21.719988.

PMID: [42079275](#); PMCID: PMC13131472.

PEDIATRIC SURGERY

Quantifying the U.S. surgical instrument fleet and its reprocessing burden: Implications for cost and sustainability in healthcare.

Mácola A, Estes W, Nichol PF.

BMC Health Serv Res. 2026 Apr 30. doi: 10.1186/s12913-026-14663-3. Epub ahead of print.

PMID: [42063007](#).

PLASTIC SURGERY

Endoscopic-assisted strip craniectomy using a diamond drill bit attached to a dural retractor: A technical paper.

Koueik J, Garland CB, Merhi AA, Larson S, Henry J, Cho DY, Ahmed R, Iskandar BJ. Childs Nerv Syst. 2026 Apr 9;42(1):151. doi: 10.1007/s00381-026-07227-7. PMID: [41951972](#); PMCID: PMC13061814.

Intraoperative hypothermia in plastic surgery: Procedure-specific patterns and the call for preventive strategies.

Fine KS, Booth S, Larson H, Zuegge KL, Gast K. Plast Surg (Oakv). 2026 Apr 3:22925503261436334. doi: 10.1177/22925503261436334. Epub ahead of print. PMID: [41938073](#); PMCID: PMC13048972.

Low skeletal muscle mass as a key predictor of postoperative diet outcomes in circumferential hypopharyngeal cancer reconstruction.

Kodama H, Orgun D, Hirayama H, Kishi K, Poore SO, Wieland AM, Ishida K, Miyawaki T. Laryngoscope Investig Otolaryngol. 2026 Apr 26;11(2):e70373. doi: 10.1002/liv.70373. PMID: [42052574](#); PMCID: PMC13110921.

Microvascular anastomosis devices: A scoping review.

Quach MP, Zona EE, Orgun D, Thao P, Gupta S, Furtado NJ, Craig JN, Christensen LA, Zeng W, Dingle AM, Poore SO. J Reconstr Microsurg. 2026 Apr 10. doi: 10.1055/a-2824-6184. Epub ahead of print. PMID: [41962556](#).

The cost of matching into plastic surgery.

Quach MP, Zona EE, Murapa M, Craig J, Poore SO, Inchauste SM. Ann Plast Surg. 2026 Apr 6. doi: 10.1097/SAP.0000000000004733. Epub ahead of print. PMID: [41940730](#).

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 Apr 9. doi: 10.1097/SAP.0000000000004746. Epub ahead of print. 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 Apr 16:sjag075. doi: 10.1093/asj/sjag075. Epub ahead of print. PMID: [41992563](#).

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 Apr;33(4):2819-2822. doi: 10.1245/s10434-025-18989-w. Epub 2026 Jan 20. PMID: [41555134](#).

Cancer surgery at a cost: Understanding financial toxicity among patients in Pakistan.

Aslam A, Virani SS, Shaukat F, Khursheed AA, Tayyab Ul Hasan Siddiqui M, Saleem L, Jamal A, Lumati JS, Khan MR, Zafar SN.

J Surg Res. 2026 Jun;322:367-380. doi: 10.1016/j.jss.2026.03.090. Epub 2026 Apr 18.

PMID: [42001803](#).

Identifying factors associated with postdischarge mortality after readmission following pancreaticoduodenectomy.

Virani SS, Ahmed KS, Marcinak C, Zafar SN.

J Surg Res. 2026 Jun;322:411-421. doi: 10.1016/j.jss.2026.03.109. Epub 2026 Apr 22.

PMID: [42025123](#).

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](#).

PancreaSeq Genomic Classifier (PancreaSeq GC) improves pancreatic cyst classification and detection of advanced neoplasia: A multi-institutional validation study.

Singhi AD, Wald AI, Smith K, Wolkenstein L, Bubar RD, Diaz-Aragon R, Grupillo M, Guckin D, Lai YT, Brand RE, McGrath K, Park WG, Pfau PR, Polanco PM, Kubiliun N, DeWitt J, Easler JJ, Dam A, Mok SR, Wallace MB, Boone BA, Marsh W, Thakkar S, Fairley KJ, Afghani E, Bhat Y, Ramrakhiani S, Nasr J, Thiruvengadam NR, Khalid A, Fasanella K, Chennat J, Das R, Singh H, Slivka A, Gabbert C, Sawas T, Tielleman T, Vanderveldt HD, Tavakkoli A, Smith LM, Singhi AH, Singhi SA, Romutis S, Mahmood S, Hosmer AE, McNabb-Baltar J, Lennon AM, Hruban RH, Shaker N, Paniccia A, Zureikat A, Lee KK, Ongchin M, Zeh H, Minter R, Schmidt CM, He J, Nikiforova MN.

Ann Surg Oncol. 2026 Apr;33(4):2865-2875. doi: 10.1245/s10434-025-18848-8. Epub 2025 Dec 12.

PMID: [41388172](#); PMCID: PMC12982251.

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.

Presentation of metastatic colorectal carcinoma at a tertiary care center in Pakistan.

Virani SS, Nasim MT, Adnan F, Ibrahim M, Moosajee MS, Khan MR, Ghias K, Murtaza M, Khan S, Zafar SN.

J Cancer Allied Spec. 2026 Apr 3;12(1):1-11. doi: 10.2478/jcas-2026-0001.

PMID: [41953209](#); PMCID: PMC13054196.

Resident satisfaction with feedback quantity on best and worst rotations.

Diaconescu A, White E, McLeod MC, Muñoz Wilson DD, Sarosi G, Barry C, Jones A, Minter R, Brasel K, Lindeman B.

J Am Coll Surg. 2026 Apr 1;242(4):911-919. doi: 10.1097/XCS.0000000000001799. Epub 2026 Mar 26.

PMID: [41575449](#).

Surgical management of pancreatic neuroendocrine tumours.

Hallet J, Falconi M, Buerba GA, Clarke C, Maxwell J, Soares H, Stättner S, Nieveen van Dijkum E, Acher AW, Andreasi V, Bartsch D, Bubis L, Cavallucci D, Chan D, Clemente U, Del Chiaro M, Daskalakis K, Dominguez-Rosado I, Dumitra T, Duncan K, Fermi F, Fusai GK, Hackert T, Howe JR, Huivaniuk I, Kaemmerer D, Landoni L, McNamara M, Niessen A, Pascher A, Perren A, Pommier R, Sachdeva S, Sadowski S, Sauvanet A, Singhi A, Sorbye H, Ward E, Wei A, Yen L, Soreide K, Partelli S.

Br J Surg. 2026 Apr 9;113(4):znag026. doi: 10.1093/bjs/znag026.

PMID: [41842405](#).

The effects of tetrahydrocannabinol and cannabidiol on sleep in cancer patients.

Reddy AC, Hampton JM, Park SJ, Dickerson F, Chewning B, Schmitz N, Kwekkeboom K, Neuman H, Trentham-Dietz A.

Clin Transl Oncol. 2026 Apr;28(4):1431-1443. doi: 10.1007/s12094-025-04069-8. Epub 2025 Oct 21.

PMID: [41120744](#); PMCID: PMC13009030.

TRANSPLANTATION

Banff 2024 pancreas transplantation report: Diagnosis and impact of chronic active T cell-mediated allograft rejection and re-evaluation of the indeterminate category with utilization of leukocyte immunostains in biopsies with ambiguous findings.

Buttner-Herold M, Seshan SV, Archilla I, Mikhailov A, Papadimitriou JC, Grzyb K, Renaudin K, Mesa-Corrales H, Doucette S, Zaccarini DJ, LaRocque A, Agni RM, Haririan A, Fyfe-Kirschner B, Li J, Toniolo MF, Cantarovich D, Uva PD, Pujol GS, Farris AB, Ugarte R, Budhiraja P, Meier R, Niederhaus S, Stratta R, Odorico J, Roufosse C, Ventura-Aguiar P, Drachenberg CB.

Am J Transplant. 2026 Apr 10:S1600-6135(26)00194-2. doi: 10.1016/j.ajt.2026.04.006. Epub ahead of print.

PMID: [41967641](#).

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.

Determinants of early readmission following liver transplantation: A national analysis of the TransQIP database.

Amara D, Smullin CP, Melehy A, Parekh J, Greenstein S, Foley D, Sudan D, Bui AAT, Agopian V, Stock PG, Farmer D, Hirose R. Liver Transpl. 2026 Apr 21. doi: 10.1097/LVT.0000000000000880.

Epub ahead of print.

PMID: [42019000](#).

Kidney transplantation after prostate cancer treatment: A multi-institutional collaborative.

Lovasik BP, Astor BC, Kau NS, Gifford A, Mittauer DJ, Bradley TA, Liebendorfer A, Krepline AN, Philip J, Garonzik-Wang J, Wellen JR.

Surgery. 2026 Apr 30;196:110290. doi: 10.1016/j.surg.2026.110290. Epub ahead of print.

PMID: [42166929](#).

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 Apr;26(4):673-674. doi: 10.1016/j.ajt.2026.02.001. Epub 2026 Feb 4.

PMID: [41651074](#).

Reprogramming hepatic resilience: BMK1 as a cytoprotective axis in liver ischemia-reperfusion injury.

Maluf DG, Al-Adra D, Mas VR.

Transplantation. 2026 Jun 1;110(6):e1174-e1176. doi: 10.1097/TP.0000000000005743. Epub 2026 Apr 21.

PMID: [42024323](#).

Standardizing data collection in normothermic regional perfusion in the United States.

Aufhauser DD Jr, Philip JL, Sellers M, Croome KP, Bababekov Y, Paci P, Montenovolo MI, Merani S, Mao SA, Abt PL, Nydam T, Botha J, Nassar A, Wall A, Brubaker AL.

Ann Surg. 2026 Apr 29. doi: 10.1097/SLA.0000000000007078. Epub ahead of print.

PMID: [42050633](#).

Time to death and donation after circulatory death kidney transplant outcomes: Opportunities for improved utilization in the United States.

Amarnath DR, Kalpana TSR, Kourounis G, Malik AK, Philip J, Thompson ER, Glover E, Pettigrew GJ, Callaghan C, Sheerin N, Wilson C, Tingle SJ.

Clin Transplant. 2026 Apr;40(4):e70548. doi: 10.1111/ctr.70548.

PMID: [42030318](#); PMCID: PMC13108833.

Validation of intravoxel incoherent motion MRI using perfused explanted human livers.

Simchick G, Rice J, Gober LM, Rice D, Philip J, Roldan-Alzate A, Hernando D. Magn Reson Med. 2026 Apr;95(4):2291-2304. doi: 10.1002/mrm.70184. Epub 2025 Nov 14.

PMID: [41235815](#); PMCID: PMC12850604.

VASCULAR SURGERY

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, Alsaarayeh 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 Apr 14;14(4):102497. doi: 10.1016/j.jvsv.2026.102497.

Epub ahead of print.

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

Protocolized management of acute type B aortic dissections reduces disease progression and need for surgery.

Gober LM, Telma K, Richmond E, Liu S, Bontekoe J, Sobol C, Tefera G, DiMusto P, Morgan C.

J Vasc Surg. 2026 Apr;83(4):1070-1078.e2. doi: 10.1016/j.jvs.2025.11.023. Epub 2025 Nov 27.

PMID: [41317972](#).

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](#).

OTHER

Surgical education feedback culture and future considerations.

Jung S.

J Am Coll Surg. 2026 Apr 28. doi: 10.1097/XCS.0000000000002004. Epub ahead of print.

PMID: [42047679](#).
