



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

JUNE 2025 PUBLICATIONS

Congratulations to all department members whose research was published in June 2025! The following list is organized by division within the Department of Surgery.

ACUTE CARE AND REGIONAL GENERAL SURGERY

Contemporary management of adult splenic injuries: What you need to know.

Werner NL, Zarzaur BL.

J Trauma Acute Care Surg. 2025 Jun 1;98(6):840-849. doi: 10.1097/TA.0000000000004570. Epub 2025 Mar 25.

PMID: [40128168](#).

Indocyanine green angiography processing and analysis pipeline for the assessment of indeterminate burn wounds.

García HA, Junak MI, Donahue B, Liu A, Uselmann A, Pogue BW, Gibson ALF.

J Biomed Opt. 2025 Jun;30(6):065002. doi: 10.1117/1.JBO.30.6.065002. Epub 2025 Jun 23.

PMID: [40552069](#); PMCID: PMC12184791.

Modern vascular trauma and preparing tomorrow's workforce.

Dhillon NK, Schwed AC, Kundi R, Savage SA, Brenner M, Scalea TM.

Trauma Surg Acute Care Open. 2025 Jun 23;10(2):e001842. doi: 10.1136/tsaco-2025-001842.

PMID: [40557261](#); PMCID: PMC12186040.

CARDIOTHORACIC SURGERY

A rare case of a primary atrial myxoma with metaplastic ossification and its multimodal imaging features.

Siewert N, Frenkel M, Guenther T, Osaki S.

Int J Surg Case Rep. 2025 Jun 23;133:111550. doi: 10.1016/j.ijscr.2025.111550. Epub ahead of print.

PMID: [40561602](#); PMCID: PMC12242467.

ECPELLA bridge to heart transplantation for a large ischemic ventricular septal defect and refractory ventricular arrhythmias.

Frenkel M, Fajardo R, Dollerschell J, Baber A, Hermsen J, Xia Y.

JHLT Open. 2025 Jun 2;9:100288. doi: 10.1016/j.jhlto.2025.100288.

PMID: [40584722](#); PMCID: PMC12205820.

Living in rural America plants the seeds for congenital heart disease challenges.

Ralphe JC, Anagnostopoulos PV.

Circ Cardiovasc Qual Outcomes. 2025 Jun;18(6):e012231. doi:

10.1161/CIRCOUTCOMES.125.012231. Epub 2025 May 29.

PMID: [40439662](#).

Massive aneurysmal coronary artery fistulae demonstrating the continued utility of surgical intervention.

Frenkel M, Rokkas C, Osaki S, de Biasi A.

JACC Case Rep. 2025 Jun 18;30(15):103787. doi: 10.1016/j.jaccas.2025.103787.

PMID: [40541346](#); PMCID: PMC12198619.

Phase I/II trial of perioperative avelumab in combination with chemoradiation in the treatment of stage II/III resectable esophageal and gastroesophageal junction cancer.

Uboha NV, Basree MM, Eickhoff JC, Deming DA, Matkowskyj K, Maloney J, McCarthy D, DeCamp M, LoConte N, Emmerich PB, Kraus S, Patel MA, Kratz JD, Lubner SJ, Hurst N, Bassetti MF.

J Surg Oncol. 2025 Jun;131(7):1293-1301. doi: 10.1002/jso.28070. Epub 2025 Jan 5.

PMID: [39757733](#); PMCID: PMC12186108.

Post-transplant stroke in patients bridged to transplantation with Impella 5.5 in the era of prolonged duration of support.

Marogil P, Xia Y, Hermsen J, Johnson M, Topkara VK.

ASAIO J. 2025 Jun 16. doi: 10.1097/MAT.0000000000002484. Epub ahead of print.

PMID: [40521736](#).

Thymomas and thymic carcinomas, Version 2.2025, NCCN Clinical Practice Guidelines in Oncology.

Riely GJ, Wood DE, Loo BW, Aisner DL, Akerley W, Bauman JR, Bharat A, Chang JY, Chirieac LR, DeCamp M, Desai A, Dilling TJ, Dowell J, Durm GA, Gettinger S, Grotz TE, Gubens MA, Juloori A, Lackner RP, Lanuti M, Lin J, Lovly CM, Maldonado F, Morgensztern D, Mullikin TC, Ng T, Owen D, Owen DH, Patel SP, Patil T, Polanco PM, Riess J, Shapiro TA, Singh AP, Stevenson J, Tam A, Tanvetyanon T, Yanagawa J, Yang SC, Yau E, Gregory K, Hang L.

J Natl Compr Canc Netw. 2025 Jun;23(6):255-269. doi: 10.6004/jnccn.2025.0027.

PMID: [40499586](#).

COLORECTAL SURGERY

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

Brand J, Zhang W, Carchman E, Dinh HQ.

bioRxiv [Preprint]. 2025 Jun 20:2025.06.13.659547. doi: 10.1101/2025.06.13.659547.

PMID: [40611910](#); PMCID: PMC12224550.

ENDOCRINE SURGERY

Response regarding: Generative artificial intelligence in academic surgery: Ethical implications and transformative potential.

Robinson JR, Stey A, Schneider DF, Kothari AN, Lindeman B, Kaafarani HM, Haines KL.

J Surg Res. 2025 Jun;310:390-391. doi: 10.1016/j.jss.2025.03.012. Epub 2025 Apr 17.

PMID: [40251046](#).

Thyroid cancer-specific worry in the United States: A survey.

Evans EE, Jensen CB, Chiu AS, Hoxha I, Saucke MC, Pitt SC.

Ann Surg Oncol. 2025 Jun 16. doi: 10.1245/s10434-025-17586-1. Epub ahead of print.

PMID: [40522575](#).

Thyroid-stimulating immunoglobulin is not associated with aggressive clinicopathologic features in concomitant Graves' disease and papillary thyroid cancer.

Finnerty BM, Marshall T, Annesi CA, Zarnegar R, Fahey TJ 3rd, Long K, Drake FT, Beninato T.

Am J Surg. 2025 Jun 17;247:116487. doi: 10.1016/j.amjsurg.2025.116487. Epub ahead of print.

PMID: [40544641](#).

PEDIATRIC SURGERY

Implementation of a contrast challenge algorithm for adhesive small bowel obstructions in children: A prospective, multi-institutional study.

Speck KE, Shah NR, Van Arendonk K, Rubalcava NS, Hirschl RB, Goldstein SD, Leys C, Markel TA, Rymeski B, Wright T, Matusko N, Ayala SA, Bergus KC, Carter SR, Collings A, Downard CD, Flynn-O'Brien KT, Georgeades C, Lal DR, Halaweish IF, Joshi D, Mak G, Mannava SV, Saylors SA, Trinidad S, Yeh A, Zeineddin S, Minneci PC.

Ann Surg. 2025 Jun 9. doi: 10.1097/SLA.0000000000006775. Epub ahead of print.

PMID: [40485473](#).

Stress and strain: Ergonomic practices and associated injuries among pediatric surgeons.

Tan SF, Stellon M, Joshi D, Hellner J, Ignacio RC, Van Arendonk KJ, Rich BS, Raval MV, Perrone EE, Moriarty KP, Walsh DS, Fisher JC, Buchmiller TL, Gow KW, Le HD.

J Surg Res. 2025 Jun;310:1-7. doi: 10.1016/j.jss.2025.03.037. Epub 2025 Apr 21.

PMID: [40262229](#).

Under-oil neuronal cell culture: Enhanced system stability, yield, and modulated oxygen environment.

Liang NW, Miles L, Buttram KN, Park JL, Zhang J, Summey LA, Franck C, Beebe DJ, Le HD, Li C.

J Neurosci Methods. 2025 Oct;422:110511. doi: 10.1016/j.jneumeth.2025.110511. Epub 2025 Jun 2.

PMID: [40466868](#).

PLASTIC SURGERY

Discussion: Skin graftless dorsal metacarpal island VY advancement flap versus dorsal rectangular flap with skin grafting in 213 simple syndactyly releases.

Attaluri PK, Nicksic PJ, Michelotti BF, Bentz ML.

Plast Reconstr Surg. 2025 Jun 1;155(6):982-983. doi: 10.1097/PRS.0000000000011998. Epub 2025 May 21.

PMID: [40434660](#).

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, Shaffrey EC, Attaluri PK, Wirth PJ, Dingle AM, Poore S.

Plast Reconstr Surg. 2025 Jun 10. doi: 10.1097/PRS.0000000000012242. Epub ahead of print.

PMID: [40492637](#).

How informed are visiting medical students? A content analysis of online information regarding plastic surgery away rotations.

Maisner RS, Tierney M, Thornton SM, Knazze J, Ortmann S, Cho DY.

J Surg Educ. 2025 Jun 28;82(9):103584. doi: 10.1016/j.jsurg.2025.103584. Epub ahead of print.

PMID: [40582073](#).

Institutional support for plastic surgery applicants: Letter in response to recently published manuscript, "Characterizing the past 5 years of integrated plastic surgery applicants: A Texas STAR analysis".

Zona EE, Khosla AS, Gunderson KA, Israel JS.

J Plast Reconstr Aesthet Surg. 2025 Jun 25;107:192-195. doi: 10.1016/j.bjps.2025.06.019. Epub ahead of print.

PMID: [40651426](#).

Letter comments on: "A 5-point framework for students evaluating plastic surgery research fellowship opportunities".

Zona EE, Fine KS, O'Shea AW, Edalatpour A, Gunderson KA, Israel JS, Poore SO.

J Plast Reconstr Aesthet Surg. 2025 Jun 4;107:19-21. doi: 10.1016/j.bjps.2025.05.032. Epub ahead of print.

PMID: [40493998](#).

SURGICAL ONCOLOGY

Cancer registries in Pakistan: A scoping review.

Virani SS, Ahmed KS, Springer M, Hussain M, Christensen L, Asif F, Pervez S, Fadoo Z, Belgaumi A, Zafar SN.

Lancet Reg Health Southeast Asia. 2025 Jun 14;38:100615. doi: 10.1016/j.lansea.2025.100615.

PMID: [40584692](#); PMCID: PMC12205766.

Challenges in early career for HPB surgeons: An international practice survey.

Perri G, Di Martino M, Minter R, Srinivasa S, Newhook T, Roch A, Guest R, Fretland A, Prodehl L, Thepbunchonchai A, Hallet J.

HPB (Oxford). 2025 Jun;27(6):771-779. doi: 10.1016/j.hpb.2025.02.010. Epub 2025 Feb 20.

PMID: [40024851](#).

Feedback perceived by general surgery residents: What is the influence of program characteristics?

Akhund R, Wilson DDM, McLeod MC, Jones AT, Sarosi G, Brasel K, Minter RM, Mellinger J, Buyske J, Lindeman B.

J Surg Educ. 2025 Jun;82(6):103508. doi: 10.1016/j.jsurg.2025.103508. Epub 2025 Apr 2.

PMID: [40179797](#).

Gastric polyposis and cancer in Western patients with familial adenomatous polyposis: Epidemiology, detection, and management.

Aelvoet AS, Dekker E, Cruise MW, Grady WM, Idos GE, Kelly K, Kieber-Emmons A, Kupfer SS, Markowitz AJ, Samadder NJ, Weiss JM, Yurgelun MB, Burke CA.

J Natl Compr Canc Netw. 2025 Jun;23(6):e257027. doi: 10.6004/jnccn.2025.7027.

PMID: [40499589](#).

Importance of social ties in dissemination of Commission on Cancer's synoptic operative report.

Park KU, Brindle M, Neuman H, Padamsee TJ, Birken S.
Surg Open Sci. 2025 May 14;26:61-63. doi: 10.1016/j.sopen.2025.05.004.
PMID: [40487715](#); PMCID: PMC12143827.

Machine learning to predict early death despite pancreaticoduodenectomy.

Ahmed KS, Marcinek CT, Issaka SM, Ali MM, Zafar SN.
J Surg Res. 2025 Jun;310:186-193. doi: 10.1016/j.jss.2025.03.047. Epub 2025 Apr 26.
PMID: [40288090](#); PMCID: PMC12162208.

Machine learning-driven modeling to predict postdischarge venous thromboembolism after pancreatectomy for pancreas cancer.

Ahmed KS, Issaka SM, Marcinek CT, Virani SS, Jaraczewski T, Afshar M, Mayampurath A, Churpek MM, Mathew J, Zafar SN.
Ann Surg Oncol. 2025 Jun;32(6):4085-4093. doi: 10.1245/s10434-025-17032-2. Epub 2025 Feb 20.
PMID: [39979688](#).

NCCN Guidelines® Insights: Survivorship, version 2.2025.

Sanft T, Day AT, Ansbaugh SM, Ariza-Heredia EJ, Armenian S, Baker KS, Ballinger TJ, Cathcart-Rake EJ, Cohen SH, Evgeniou E, Fairman NP, Feliciano J, Flores TF, Friedman DL, Gabel NM, Goldman ME, Hill-Kayser CE, Hock K, Kline-Quiroz C, Koura D, Lee NK, McDonough AL, Mooney K, Moore HCF, Moryl N, Neuman H, Overholser L, Patel CG, Peterson LL, Pirl WF, Porpiglia A, Rogers LQ, Saidain A, Schapira L, Smith SK, Tenne L, Tevaarwerk A, Ah DV, Yang EH, Zee P, McMillian N, Freedman-Cass D.
J Natl Compr Canc Netw. 2025 Jun;23(6):208-217. doi: 10.6004/jnccn.2025.0028.
PMID: [40499584](#).

Observational survey of financial difficulties among patients with multiple myeloma and chronic lymphocytic leukaemia treated at US community oncology clinics (Alliance A231602CD).

Conti RM, McCue S, Dockter T, Gunn H, Dusetzina S, Bennett A, Rapkin BD, Gracia G, Jazowski SA, Behrens R, Richardson PG, Chow S, Subbiah N, Neuman HB, Chang GJ, Weiss E.
BMJ Open. 2025 Jun 3;15(6):e091769. doi: 10.1136/bmjopen-2024-091769.
PMID: [40461152](#); PMCID: PMC12142152.

Percutaneous drainage for pancreatitis, panniculitis, and polyarthritis syndrome.

Bice C, Lin T, Longley BJ, Kubica P, Pfau P, Weber S, Kleedehn M.
J Vasc Interv Radiol. 2025 Jun 26:S1051-0443(25)00433-6. doi: 10.1016/j.jvir.2025.06.011. Epub ahead of print.
PMID: [40581287](#).

Postoperative hepatic insufficiency despite preoperative portal vein embolization: Not just about the volumetrics.

Li AY, Ahmad MU, Sofilos MC, Lee RM, Maithel SK, Lee TC, Chadalavada S, Shah SA, Acher AW, Abbott DE, Wong P, Kessler J, Melstrom LG, Kirks R, Rocha FG, Delitto DJ, Lee B, Visser BC, Poultsides GA.
Surgery. 2025 Jun;182:109345. doi: 10.1016/j.surg.2025.109345. Epub 2025 Mar 28.
PMID: [40157125](#).

Predicting severe postoperative complications after CRS-HIPEC: An externally validated machine-learning tool.

Ashraf Ganjouei A, Wang J, Yi C, Romero-Hernandez F, Alseidi A, Abbott D, Zafar SN, Fournier KF, Staley CA, Dineen S, Raouf M, Bartlett DL, Cloyd JM, Choudry HM, Adam MA.
World J Surg. 2025 Jun;49(6):1546-1554. doi: 10.1002/wjs.12601. Epub 2025 Apr 28.
PMID: [40295427](#).

Saving shared decision-making.

Opel DJ, Gerstein MT, Carle AC, Fournier AK, Hargraves I, Lafata JE, Lipstein EA, Mallinson T, Moise N, Neuman HB, Nix M, Papadimitriou C, Scherer L, Sepucha K, Simpson M, Schwartz A, Stevens-Lapsley JE, Dickert NW.

J Gen Intern Med. 2025 Jun;40(8):1844-1847. doi: 10.1007/s11606-025-09410-z. Epub 2025 Feb 14. PMID: [39953310](#); PMCID: PMC12119428.

TRANSPLANTATION

Left ventricular ejection fraction and previous cardiac revascularization: Impact on patient survival, graft survival, and complications in kidney transplant recipients.

Amara D, Nunez M, Parekh J, Greenstein S, Foley D, Stock P, Hirose R.

Transplant Direct. 2025 Jun 12;11(7):e1802. doi: 10.1097/TXD.0000000000001802.

PMID: [40519671](#); PMCID: PMC12165656.

Longitudinal assessment of solid organ transplant recipients with SARS-CoV-2 infection.

Vuyk W, Bobholz M, Emmen I, Lail A, Minor N, Bhimalli P, Eickhoff JC, Ries HJ, Machkovech H, Wei W, Weiler A, Richardson A, DePagter C, VanSleet G, Bhasin M, Kamal S, Wolf S, Viridi A, Bradley T, Gifford A, Benito M, Shipe A, Mohamed R, Smith J, Wilson N, Friedrich TC, O'Connor DH, Garonzik-Wang J.

Transplant Proc. 2025 Jun;57(5):922-930. doi: 10.1016/j.transproceed.2025.04.004. Epub 2025 May 6.

PMID: [40335381](#).

Pediatric donors in pancreas transplantation: Challenges and opportunities.

Tamburrini R, Odorico JS.

Curr Opin Organ Transplant. 2025 Aug 1;30(4):304-314. doi: 10.1097/MOT.0000000000001232. Epub 2025 Jun 20.

PMID: [40539605](#).

Postkidney transplant delayed graft function outcomes are not worsened by deceased donor type.

Zhou AL, Raj S, Fedorova E, Garonzik-Wang J, Mandelbrot D, Astor BC, Parajuli S.

Clin Transplant. 2025 Jun;39(6):e70199. doi: 10.1111/ctr.70199.

PMID: [40444410](#); PMCID: PMC12123557.

Risk factors for developing advanced chronic kidney disease in pancreas transplant alone recipients.

Parajuli S, Zona E, Breyer I, Tamburrini R, Astor BC, Radke N, Mandelbrot D, Kaufman DB, Odorico J.

Transplantation. 2025 Jun 1;109(6):994-1003. doi: 10.1097/TP.0000000000005273. Epub 2024 Nov 6.

PMID: [40052401](#).

Sex-specific differences in preclinical models of advanced chronic liver disease and portal hypertension.

Aristu-Zabalza P, Andrés-Rozas M, Boyer-Díaz Z, Al-Adra DP, Maya-Miles D, Guixé-Muntet S, Fernández-Iglesias A, Gracia-Sancho J.

Biol Sex Differ. 2025 Jun 3;16(1):39. doi: 10.1186/s13293-025-00721-8.

PMID: [40462236](#); PMCID: PMC12131374.

Stem cell-derived, fully differentiated islets for type 1 diabetes.

Reichman TW, Markmann JF, Odorico J, Witkowski P, Fung JJ, Wijkstrom M, Kandeel F, de Koning EJP, Peters AL, Mathieu C, Kean LS, Bruinsma BG, Wang C, Mascia M, Sanna B, Marigowda G, Pagliuca F, Melton D, Ricordi C, Rickels MR; VX-880-101 FORWARD Study Group.

N Engl J Med. 2025 Jun 20. doi: 10.1056/NEJMoa2506549. Epub ahead of print.
PMID: [40544428](#).

Virtual crossmatching: Principles, practices, and the path forward-An American Society for Histocompatibility and Immunogenetics/College of American Pathologists collaborative.

Sullivan HC, Jaramillo A, Gaitonde S, Murphey C, Pandey S, Liu C, Jindra P, Hidalgo LG, Weimer ET, Alquist CR, Morris GP, Bray RA.

Am J Transplant. 2025 Jun 21:S1600-6135(25)00340-5. doi: 10.1016/j.ajt.2025.06.018. Epub ahead of print.

PMID: [40550468](#).

VASCULAR SURGERY

A qualitative study on surgeon perceptions of risk calculators in emergency general surgery.

Rosen CB, Bader AL, Roberts SE, Clapp JT, Halpern SD, Schwarze ML, Kelz RR.

Ann Surg Open. 2025 Apr 21;6(2):e567. doi: 10.1097/AS9.0000000000000567.

PMID: [40557344](#); PMCID: PMC12185096.

Association of ACGME milestones with other performance measures in general surgery: A meta-analytic study.

Sun T, Zheng B, Yamazaki K, Smith BK, Hamstra SJ.

Acad Med. 2025 Jun 23. doi: 10.1097/ACM.00000000000006142. Epub ahead of print.

PMID: [40550143](#).

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. 2025 Jun 30:S1078-5884(25)00636-7. doi: 10.1016/j.ejvs.2025.06.065.

Epub ahead of print.

PMID: [40602596](#).

Entrustable professional activity assessments in vascular surgery training.

Weaver ML, Smith BK.

Semin Vasc Surg. 2025 Jun;38(2):145-154. doi: 10.1053/j.semvascsurg.2025.03.003. Epub 2025 Apr 3.

PMID: [40523702](#).
