



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

SEPTEMBER 2024 PUBLICATIONS

Congratulations to all department members whose research was published in September 2024! The following list is organized by division within the Department of Surgery.

CROSS-DIVISION COLLABORATIONS

Potential risks of nonoperative management of appendicitis in high-risk patients.

Lunardi N, Thornton M, Zarzaur BL, Agarwal S, Berger M, Sharath S, Kougias P, Bhat S, Frank K, Pham TH, Balentine CJ.

Surgery. 2024 Sep 25:S0039-6060(24)00601-9. doi: 10.1016/j.surg.2024.08.022. Epub ahead of print. [PubMed ID: [39327128](#)]

Using systems engineering and implementation science to design an implementation package for preoperative comprehensive geriatric assessment among older adults having major abdominal surgery: Protocol for a 3-phase study.

Berian JR, Schwarze ML, Werner NE, Mahoney JE, Shah MN.

JMIR Res Protoc. 2024 Sep 9;13:e59428. doi: 10.2196/59428. [PubMed ID: [39250779](#)]

CARDIOTHORACIC SURGERY

Multidisciplinary management of adult patients with chylothorax: A consensus statement.

Agrawal A, Chaddha U, Shojaee S, Nadolski G, Liberman M, Lee YCG, Rahman N, Reisenauer JS, Ferguson MK, DeCamp MM, Gillaspie EA, Bedawi EO, Currie B, Feller-Kopman DJ, Desai A, Yasufuku K, Bishay V, Gesthalter Y, Grosu H, Chick JFB, Lentz R, Kolli KP, Kaufman A, Mehta RM, Desai K, Davis H, Ghori UK, Maldonado F.

Eur Respir J. 2024 Sep 26:2400470. doi: 10.1183/13993003.00470-2024. Epub ahead of print. [PubMed ID: [39326915](#)]

Standardized temporary atrial epicardial wire locations lead to enhanced atrial signal identification.

Atlas N, Zhang X, Torgeson JN, Hermsen J, Gibson WJ, Harmon AM, Von Bergen NH.

J Intensive Care Med. 2024 Sep 19:8850666241279229. doi: 10.1177/08850666241279229. Epub ahead of print.

[PubMed ID: [39295470](#)]

COLORECTAL SURGERY

Carboplatin and paclitaxel chemoradiation for localized anal cancer in patients not eligible for mitomycin and 5-fluorouracil.

DeZeeuw AK, Bassetti MF, Carchman EH, Heise CP, Hayden D, Lawson EH, Sanger CB, King R, LoConte NK, Lubner SJ, Kratz JD, Deming DA.

Cancers (Basel). 2024 Sep 3;16(17):3062. doi: 10.3390/cancers16173062.

[PubMed ID: [39272920](#); PMCID: PMC11394111]

Research perspective on: Impact of multidisciplinary prehabilitation interventions on postoperative hospital length of stay and functional capacity in patients undergoing resection of colorectal cancer: A systematic review and meta-analysis.

Berian JR.

Dis Colon Rectum. 2024 Sep 1;67(9):1120. doi: 10.1097/DCR.0000000000003375. Epub 2024 Aug 7.

[PubMed ID: [38789260](#)]

Topical protease inhibitor increases tumor-free and overall survival in CD4-depleted mouse model of anal cancer.

Yao E, Gunder L, Moyer T, Matkowskyj KA, Fox K, Zhou Y, Haggerty S, Johnson H, Sherer N, Carchman E.

Viruses. 2024 Sep 5;16(9):1421. doi: 10.3390/v16091421.

[PubMed ID: [39339897](#); PMCID: PMC11436184]

ENDOCRINE SURGERY

Surgeon preference for maximizing medical care is associated with recommending more extensive surgery for low-risk thyroid cancer.

Antunez AG, Saucke MC, Bushaw KJ, Chiu A, Pitt SC.

Thyroid. 2024 Sep;34(9):1181-1185. doi: 10.1089/thy.2024.0170. Epub 2024 Jul 31.

[PubMed ID: [39030827](#)]

Variation in long-term postoperative mortality risk by race/ethnicity after major non-cardiac surgeries in the Veterans Health Administration.

Sharath SE, Balentine CJ, Berger DH, Zhan M, Zamani N, Choi JC, Kougias P.

J Racial Ethn Health Disparities. 2024 Sep 12. doi: 10.1007/s40615-024-02176-w. Epub ahead of print.

[PubMed ID: [39264540](#)]

MINIMALLY INVASIVE SURGERY

Adverse event comparison between glucagon-like peptide-1 receptor agonists and other antiobesity medications following bariatric surgery.

Samuels JM, Niswender KD, Roumie CL, Spann MD, Flynn CR, Ye F, Blankush J, Irlmeier R, Funk LM, Patel MB.

Diabetes Obes Metab. 2024 Sep;26(9):3906-3913. doi: 10.1111/dom.15737. Epub 2024 Jun 27.

[PubMed ID: [38934217](#)]

Fasting is required for many of the benefits of calorie restriction in the 3xTg mouse model of Alzheimer's disease.

Babygirija R, Han JH, Sonsalla MM, Matoska R, Calubag MF, Green CL, Tobon A, Yeh CY, Verstein D, Schlorf S, Illiano J, Liu Y, Grunow I, Rigby MJ, Puglielli L, Harris DA, Denu JM, Lamming DW. bioRxiv [Preprint]. 2024 Sep 24:2024.09.19.613904. doi: 10.1101/2024.09.19.613904. [PubMed ID: [39386545](#); PMCID: PMC11463641]

Nurse-supported self-directed cognitive behavioral therapy for insomnia: A randomized clinical trial.

Ulmer CS, Voils CI, Jeffreys AS, Olsen M, Zervakis J, Goodwin K, Gentry P, Rose C, Weidenbacher HJ, Beckham JC, Bosworth HB. JAMA Intern Med. 2024 Sep 9:e244419. doi: 10.1001/jamainternmed.2024.4419. Epub ahead of print. [PubMed ID: [39250131](#); PMCID: PMC11385341]

Patients experience with preoperative use of anti-obesity medications and associations with bariatric surgery expectations.

Samuels JM, Patel MB, Roumie CL, Self W, Funk L, Spann MD, Niswender KD. Surg Obes Relat Dis. 2024 Sep 14:S1550-7289(24)00804-9. doi: 10.1016/j.soard.2024.08.041. Epub ahead of print. [PubMed ID: [39389849](#)]

The TOTAL trial for weight management participation: A randomized controlled trial protocol.

Funk LM, Williams CB, Breuer CR, Hetzel S, LaSage SC, Villasenor CJ, Moin T, Cook J, Sampene E, Stroupe KT, Alagoz E, Raffa SD, Voils CI. Contemp Clin Trials. 2024 Sep;144:107611. doi: 10.1016/j.cct.2024.107611. Epub 2024 Jun 22. [PubMed ID: [38914310](#); PMCID: PMC11323199]

Thyroid cancer-related fear & anxiety in patients with benign thyroid nodules: A mixed-methods study.

Evans EE, Dougherty A, Jensen CB, Sinco B, Robinson N, Ozkan M, Khan I, Roche K, Saucke MC, Bushaw KJ, Antunez AG, Voils CI, Pitt SC. J Surg Res. 2024 Sep 4;302:805-813. doi: 10.1016/j.jss.2024.07.108. Epub ahead of print. [PubMed ID: [39236399](#)]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

A protocol for stakeholder engagement in head and neck cancer pragmatic trials.

Macdonald C, Fitch M, Hutcheson KA, McCulloch TM, Martino R. BMC Cancer. 2024 Sep 5;24(1):1109. doi: 10.1186/s12885-024-12733-5. [PubMed ID: [39237888](#); PMCID: PMC11378588]

Comprehensive management of chronic ear disease: Consecutive patient analysis at a tertiary children's hospital.

Puricelli MD. Int J Pediatr Otorhinolaryngol. 2024 Sep 25;186:112118. doi: 10.1016/j.ijporl.2024.112118. Epub ahead of print. [PubMed ID: [39357090](#)]

Glottic insufficiency in the vertical plane in patients with unknown-source unilateral vocal fold hypomobility.

Xu X, Wang Y, Silverman M, Liu L, Jiang JJ, Li X, Zhuang P. J Voice. 2024 Sep;38(5):1193-1199. doi: 10.1016/j.jvoice.2022.03.025. Epub 2022 Apr 22. [PubMed ID: [35469727](#)]

Impact of facility volume on overall survival in patients with head and neck cancer undergoing palliative treatment.

Kaki PC, Patel AM, Revercomb L, Maxwell R, Brant JA, Brody RM, Cannady SB, Carey RM.
Am J Hosp Palliat Care. 2024 Sep 8;10499091241281052. doi: 10.1177/10499091241281052. Epub ahead of print.
[PubMed ID: [39245929](#)]

Predictors of injection laryngoplasty volume for glottic insufficiency.

Roitman A, Venkatraman A, Thibeault S.
Eur Arch Otorhinolaryngol. 2024 Sep 6. doi: 10.1007/s00405-024-08908-2. Epub ahead of print.
[PubMed ID: [39242408](#)]

Retrospective cohort study rethinking lip reconstruction: Versatility of the depressor anguli oris myocutaneous flap for large full-thickness defects.

Yalamanchi P, Carle T, Haring CT, Glazer TA, McLean SA.
J Plast Reconstr Aesthet Surg. 2024 Sep;96:207-214. doi: 10.1016/j.bjps.2023.06.047. Epub 2023 Jun 27.
[PubMed ID: [39096737](#)]

Socioeconomic deprivation detrimentally influences language outcomes in toddlers with cleft palate.

Fujiki RB, Lien KM, Munday J, Thibeault SL; Cleft Outcomes Research NETwork (CORNET) Consortium.
J Speech Lang Hear Res. 2024 Sep 12;67(9):3113-3132. doi: 10.1044/2024_JSLHR-24-00060. Epub 2024 Aug 22.
[PubMed ID: [39173117](#); PMCID: PMC11427525]

Voice disorder prevalence and vocal health characteristics in adolescents.

Fujiki RB, Thibeault SL.
JAMA Otolaryngol Head Neck Surg. 2024 Sep 1;150(9):800-810. doi: 10.1001/jamaoto.2024.2081.
[PubMed ID: [39052255](#); PMCID: PMC11273279]

PEDIATRIC SURGERY

Clinical signs as a guide for esophagram after esophageal atresia/tracheoesophageal fistula repair.

Joshi D, Stellon M, Park KY, Hellner J, Le HD.
J Surg Res. 2024 Sep;301:18-23. doi: 10.1016/j.jss.2024.04.052. Epub 2024 Jun 20.
[PubMed ID: [38905769](#)]

Modeling high-risk Wilms tumors enables the discovery of therapeutic vulnerability.

Ma G, Gao A, Chen J, Liu P, Sarda R, Gulliver J, Wang Y, Joiner C, Hu M, Kim EJ, Yeger H, Le HD, Chen X, Li WJ, Xu W.
Cell Rep Med. 2024 Oct 15;5(10):101770. doi: 10.1016/j.xcrm.2024.101770. Epub 2024 Oct 4.
[PubMed ID: [39368485](#)]

PLASTIC SURGERY

Reduction cranioplasty for hydrocephalic macrocephaly: a systematic review of surgical outcomes.

Moura SP, Center AD, Kalluri M, Blum J, Shaffrey EC, Lee S, Ng JJ, Iskandar BJ, Garland CB, Cho DY.
J Neurosurg Pediatr. 2024 Jun 21;34(3):221-233. doi: 10.3171/2024.4.PEDS23486.
[PubMed ID: [38905711](#)]

SURGICAL ONCOLOGY

Aryl hydrocarbon receptor knockout accelerates PanIN formation and fibro-inflammation in a mutant Kras-driven pancreatic cancer model.

Walcheck MT, Schwartz PB, Carrillo ND, Matkowskyj KA, Nukaya M, Bradfield CA, Ronnekleiv-Kelly SM.

Pancreas. 2024 Sep 1;53(8):e670-e680. doi: 10.1097/MPA.0000000000002357. Epub 2024 May 1.
[PubMed ID: [38696422](#); PMCID: PMC11321943]

Cancer research funding in South Asia.

Virani SS, Ahmed KS, Jaraczewski T, Zafar SN.

J Cancer Policy. 2024 Sep;41:100489. doi: 10.1016/j.jcpo.2024.100489. Epub 2024 Jun 6.
[PubMed ID: [38851630](#); PMCID: PMC11398951]

Comment on: Surgeon age in relation to patients' long-term survival after gastrectomy for gastric adenocarcinoma: nationwide population-based cohort study.

Dias AR, Zafar SN, Szor DJ.

BJS Open. 2024 Sep 3;8(5):zrae102. doi: 10.1093/bjsopen/zrae102.
[PubMed ID: [39258490](#); PMCID: PMC11387997]

Factors influencing implementation of the Commission on Cancer's Breast Synoptic Operative Report (Alliance A20_Pilot9).

Park KU, Padamsee TJ, Birken SA, Lee S, Niles K, Blair SL, Grignol V, Dickson-Witmer D, Nowell K, Neuman H, King T, Mittendorf E, Paskett ED, Brindle M.

Ann Surg Oncol. 2024 Sep;31(9):5888-5895. doi: 10.1245/s10434-024-15515-2. Epub 2024 Jun 11.
[PubMed ID: [38862840](#); PMCID: PMC11300652]

Germline genetic mutations in a multi-center cohort of 248 phyllodes tumors.

Rosenberger LH, Thomas SM, Hieken TJ, Gallagher KK, Spanheimer PM, Neuman HB, Weiss AC, King TA, Wong J, Tong BS, Nash AL, Frazier MP, Menendez CS, Hwang ES, Jakub JW, Plichta JK.

Breast Cancer Res Treat. 2024 Sep 13. doi: 10.1007/s10549-024-07488-3. Epub ahead of print.
[PubMed ID: [39269552](#)]

Role of the surgeon in de-escalating emotion during a breast cancer surgery consultation: A qualitative study of patients' experiences in Alliance A231701CD.

Saucke MC, Jacobson N, McKinney G, Neuman HB.

Ann Surg Oncol. 2024 Sep 25. doi: 10.1245/s10434-024-16156-1. Epub ahead of print.
[PubMed ID: [39320397](#)]

Self-reported financial difficulties among patients with multiple myeloma and chronic lymphocytic leukemia treated at U.S. community oncology clinics (Alliance A231602CD).

Conti RM, McCue S, Dockter T, Gunn HJ, Dusetzina SB, Bennett AV, Rapkin B, Gracia G, Jazowski S, Johnson M, Behrens R, Richardson P, Subbiah N, Chow S, Chang GJ, Neuman HB, Weiss ES.

medRxiv [Preprint]. 2024 Sep 18:2024.09.13.24311098. doi: 10.1101/2024.09.13.24311098.
[PubMed ID: [39371185](#); PMCID: PMC11451638]

Sexual orientation and gender identity data collection in cancer care: A nationwide landscape assessment update.

Cathcart-Rake EJ, Jatoi A, Dressler EV, Kittel C, Weaver KE, Nightingale C, Neuman H, Loh KP; Landscape Committee; Kamen C.
JCO Oncol Pract. 2024 Sep;20(9):1272-1279. doi: 10.1200/OP.23.00724. Epub 2024 May 20.
[PubMed ID: [38768413](#)]

Targeting patient-derived orthotopic gastric cancers with a fluorescent humanized anti-CEA antibody.

Cox KE, Turner MA, Lwin TM, Amirfakhri S, Kelly KJ, Hosseini M, Ghosh P, Obonyo M, Hoffman RM, Yazaki PJ, Bouvet M.
Ann Surg Oncol. 2024 Sep;31(9):6291-6299. doi: 10.1245/s10434-024-15570-9. Epub 2024 Jun 18.
[PubMed ID: [38888861](#); PMCID: PMC11300635]

Understanding futility in pancreaticoduodenectomy: Insights from a national cohort.

Marcinak CT, Ahmed KS, LoConte NK, Praska CE, Varley PR, Weber SM, Abbott DE, Ronneklev-Kelly SM, Kratz JD, Lubner SJ, Minter RM, Zafar SN.
J Surg Oncol. 2024 Sep;130(3):462-475. doi: 10.1002/jso.27773. Epub 2024 Jul 31.
[PubMed ID: [39082628](#)]

Validation of the AJCC 8th Edition Breast Cancer Prognostic Staging System in legacy Alliance trials (AFT-01).

Krecko LK, Neuman HB, Greenberg CC, Wilke LG, Hanlon BM, Edge SB, Ruddy KJ, Partridge AH, Le-Rademacher J, Yang DY, Havlena J, R Schumacher J.
Ann Surg Oncol. 2024 Sep;31(9):5880-5887. doi: 10.1245/s10434-024-15477-5. Epub 2024 Jun 2.
[PubMed ID: [38825628](#); PMCID: PMC11460990]

TRANSPLANTATION

Analysis of rejection, infection and surgical outcomes in Type I versus Type II diabetic recipients after simultaneous pancreas-kidney transplantation.

Martinez EJ, Pham PH, Wang JF, Stalter LN, Welch BM, Levenson G, Marka N, Al-Qaoud T, Mandelbrot D, Parajuli S, Sollinger HW, Kaufman DB, Redfield RR 3rd, Odorico JS.
Transpl Int. 2024 Sep 19;37:13087. doi: 10.3389/ti.2024.13087.
[PubMed ID: [39364120](#); PMCID: PMC11446817]

Correlation of imaging and hemodynamic findings with clinical outcomes for diagnosis of left renal vein compression syndrome.

Meram E, Swietlik J, Philip J, Woods MA, Foley D, Knavel Koepsel E.
Cardiovasc Intervent Radiol. 2024 Sep;47(9):1190-1199. doi: 10.1007/s00270-024-03822-w. Epub 2024 Aug 6.
[PubMed ID: [39107617](#)]

Cytomegalovirus post-prophylaxis surveillance in high-risk kidney and liver recipients prevents CMV end-organ disease and ganciclovir-resistance.

Jorgenson MR, Meyer E, Levenson GE, Descourouez JL, Saddler CM, Smith JA, Rice JP, Mandelbrot DA, Odorico JS.
Clin Transplant. 2024 Sep;38(9):e15453. doi: 10.1111/ctr.15453.
[PubMed ID: [39229690](#)]

Differential effects of HDAC6 inhibition versus knockout during hepatic ischemia-reperfusion injury highlight importance of HDAC6 C-terminal zinc-finger ubiquitin-binding domain.

Concors SJ, Hernandez PT, O'Brien C, DePaolo J, Murken DR, Aufhauser DD, Wang Z, Xiong Y, Krumeich L, Ge G, Beier UH, Bhatti TR, Kozikowski AP, Avelar LAA, Kurz T, Hancock WW, Levine MH. Transplantation. 2024 Oct 1;108(10):2084-2092. doi: 10.1097/TP.0000000000005042. Epub 2024 Sep 24.

[PubMed ID: [38685198](#)]

Ethical considerations of conditional directed living donation-A North American perspective.

Lee-Riddle GS, Thiessen C, Parent B, Goldberg A, Jones JL, Gordon EJ.

Am J Transplant. 2024 Sep 24:S1600-6135(24)00578-1. doi: 10.1016/j.ajt.2024.09.023. Epub ahead of print.

[PubMed ID: [39326852](#)]

Harnessing cellular therapeutics for Type 1 diabetes mellitus: Progress, challenges, and the road ahead.

Grattoni A, Korbutt G, Tomei AA, García AJ, Pepper AR, Stabler C, Brehm M, Papas K, Citro A, Shirwan H, Millman JR, Melero-Martin J, Graham M, Sefton M, Ma M, Kenyon N, Veiseh O, Desai TA, Nostro MC, Marinac M, Sykes M, Russ HA, Odorico J, Tang Q, Ricordi C, Latres E, Mamrak NE, Giraldo J, Poznansky MC, de Vos P.

Nat Rev Endocrinol. 2024 Sep 3. doi: 10.1038/s41574-024-01029-0. Epub ahead of print.

[PubMed ID: [39227741](#)]

Prediction of donor heart acceptance for transplant and its clinical implications: Results from The Donor Heart Study.

Wayda B, Weng Y, Zhang S, Luikart H, Pearson T, Nieto J, Nicely B, Geraghty PJ, Belcher J, Nguyen J, Neidlinger N, Groat T, Malinoski D, Zaroff JG, Khush KK.

Circ Heart Fail. 2024 Oct;17(10):e011360. doi: 10.1161/CIRCHEARTFAILURE.123.011360. Epub 2024 Sep 23.

[PubMed ID: [39308397](#)]

Renal auto-transplant as a definitive treatment for Nutcracker Syndrome: A multi-center retrospective study.

Philip JL, Saben J, Meram E, Steinberg T, Lauer K, Malamon J, Pomfret E, Nydam T, Foley DP, Pshak T.

J Vasc Surg Venous Lymphat Disord. 2024 Sep 24:101983. doi: 10.1016/j.jvsv.2024.101983. Epub ahead of print.

[PubMed ID: [39326788](#)]

Seasonal patterns of living kidney donation in the United States from 1995 to 2019.

Arking A, Kaddu G, Massie AB, Segev DL, Garonzik-Wang J, Snyder J, King EA, Muzaale AD, Ammary FA.

Clin Transplant. 2024 Sep;38(9):e15454. doi: 10.1111/ctr.15454.

[PubMed ID: [39258506](#)]

The impact of HLA-DQ $\alpha\beta$ heterodimer mismatch on living donor kidney allograft outcomes.

Charnaya O, Ishaque T, Hallett A, Morris GP, Coppage M, Schmitz JL, Timofeeva O, Lázár-Molnár E, Zhang A, Krummey S, Hidalgo L, Segev DL, Tambur AR, Massie AB.

Transplantation. 2024 Sep 5. doi: 10.1097/TP.0000000000005198. Epub ahead of print.

[PubMed ID: [39233325](#)]

VASCULAR SURGERY

Clinical momentum in the care of older adults with advanced dementia: What evidence is there in the medical record?

Stalter LN, Hanlon BM, Bushaw KJ, Bradley T, Buffington A, Zychowski K, Dudek A, Zaza SI, Fritz M, Kwekkeboom K, Schwarze ML.

J Am Geriatr Soc. 2024 Sep 16. doi: 10.1111/jgs.19192. Epub ahead of print.

[PubMed ID: [39282746](#)]

Early results from the pivotal trial substudy of the GORE® EXCLUDER® Conformable Endoprosthesis in angulated necks.

Rhee RY, Almadani MW, Yamanouchi D, Oderich GS, Han S, Moore E, Matsumura JS.

J Vasc Surg. 2024 Sep 17:S0741-5214(24)01894-9. doi: 10.1016/j.jvs.2024.09.013. Epub ahead of print.

[PubMed ID: [39299529](#)]

Risk factors for development of incisional hernia after aortic aneurysm repair: Secondary analysis of the OVER randomized controlled trial.

Yi JA, Kawahara M, Hurley L, Bennett KM, Freischlag JA, Stroupe K, Matsumura JS, Kundu A, Kyriakides TC.

Ann Vasc Surg. 2024 Sep;106:419-425. doi: 10.1016/j.avsg.2024.04.001. Epub 2024 May 28.

[PubMed ID: [38815919](#)]

Three-year outcomes of a US pivotal trial substudy for conformable endoprosthesis in ≥ 10 mm non-angulated neck anatomy.

Yamanouchi D, Oderich GS, Han S, Long C, Muck P, Moore E, Matsumura JS, Rhee R; EXCC investigators.

J Vasc Surg. 2024 Sep 19:S0741-5214(24)01884-6. doi: 10.1016/j.jvs.2024.06.166. Epub ahead of print.

[PubMed ID: [39306018](#)]

Using patient satisfaction to assess trainee performance: Is perception reality?

Carter T, Weaver ML, Smith BK.

Am J Surg. 2024 Sep 11:115949. doi: 10.1016/j.amjsurg.2024.115949. Epub ahead of print.

[PubMed ID: [39294015](#)]
