



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

DECEMBER 2024 PUBLICATIONS

Congratulations to all department members whose research was published in December 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, Koungias P, Bhat S, Frank K, Pham TH, Balentine CJ.

Surgery. 2024 Dec;176(6):1568-1575. doi: 10.1016/j.surg.2024.08.022. Epub 2024 Sep 25.

PMID: [39327128](#); PMCID: PMC11563903.

Primary inferior vena cava synovial sarcoma treated with caval replacement during cardiopulmonary bypass and *ante situm* liver perfusion.

Frenkel M, Guenther T, Hermsen J, Collins K, Mezrich J, Al-Adra D, Xia Y.

J Surg Case Rep. 2024 Dec 2;2024(12):rjae760. doi: 10.1093/jscr/rjae760.

PMID: [39678485](#); PMCID: PMC11645527.

ACUTE CARE AND REGIONAL GENERAL SURGERY

Rib fracture nonunion.

Werner NL, Van Wijck SFM.

Curr Probl Surg. 2024 Dec;61(12):101648. doi: 10.1016/j.cpsurg.2024.101648. Epub 2024 Oct 23.

PMID: [39647975](#).

CARDIOTHORACIC SURGERY

Evaluation of anti-angiogenic therapy combined with immunotherapy and chemotherapy as a strategy to treat locally advanced and metastatic non-small-cell lung cancer.

Abdallah M, Volland R, Decamp M, Flickinger J, Pacioles T, Jamil M, Silbermins D, Shenouda M, Valsecchi M, Bir A, Shweihat Y, Bastidas J, Chowdhury N, Kachynski Y, Eldib H, Wright T, Mahdi A, Al-Nusair J, Nwanwene K, Varlotto J.

Cancers (Basel). 2024 Dec 17;16(24):4207. doi: 10.3390/cancers16244207.

PMID: [39766108](#); PMCID: PMC11674749.

COLORECTAL SURGERY

Improving surgical outcomes for older adults with adoption of technological advances in comprehensive geriatric assessment.

Tan SF, Cher B, Berian JR.

Semin Colon Rectal Surg. 2024 Dec;35(4):101060. doi: 10.1016/j.scrs.2024.101060. Epub 2024 Nov 6. PMID: [39669478](#); PMCID: PMC11633772.

ENDOCRINE SURGERY

Building foundations: Invited commentary: The clinicopathological landscape of thyroid cancer in South Africa: A multi-institutional review.

Long K.

World J Surg. 2024 Dec;48(12):2871-2872. doi: 10.1002/wjs.12392. Epub 2024 Oct 29. PMID: [39472291](#); PMCID: PMC11619740.

Equivalent pain and opioid use between transabdominal and retroperitoneal adrenalectomy.

Haskins L, Tobin N, Reineman E, Sippel R, Schneider D, Long K, Elfenbein D, Balentine C, Chiu A. J Surg Res. 2024 Dec;304:173-180. doi: 10.1016/j.jss.2024.10.009. Epub 2024 Nov 15.

PMID: [39549505](#).

Evolution of the American Association of Endocrine Surgeons Collaborative Endocrine Surgery Quality Improvement Program, CESQIP.

Mathur A, Alkhalili E, Beck T, Cisco R, Goldfarb M, Phay JE, Miller BS, Solórzano CC, Sippel RS, Rosen JE, Schneider DF, Inabnet WB 3rd.

Surgery. 2024 Dec;176(6):1776-1779. doi: 10.1016/j.surg.2024.05.048. Epub 2024 Oct 16.

PMID: [39414470](#).

Perioperative bone mineral density assessment in patients with primary hyperparathyroidism.

Kirsch MJ, Stoeckl EM, Aziz A, McDow AD, Long KL, Schneider DF, Sippel RS, Dedhia PH.

J Surg Res. 2024 Dec 5;305:41-46. doi: 10.1016/j.jss.2024.10.042. Epub ahead of print.

PMID: [39642745](#).

Predicting disease-specific survival in patients undergoing active surveillance for papillary thyroid carcinoma.

Nielsen S, Kuchta K, Huang G, Zuber S, Holoubek S, Karcioglu A, Khokar A, Prinz R, Moo-Young T.

World J Surg. 2024 Dec 19. doi: 10.1002/wjs.12434. Epub ahead of print.

PMID: [39702859](#).

Student and attending preceptor perceptions of longitudinal clinic as a surgical education and assessment tool.

DeLaura I, Rhodin KE, Ladowski J, Howell TC, Migaly J, Vatsaas C, Elfenbein DM, Tracy E.

J Surg Res. 2024 Dec;304:264-272. doi: 10.1016/j.jss.2024.10.019. Epub 2024 Nov 20.

PMID: [39571465](#).

MINIMALLY INVASIVE SURGERY

Association of caregiving receipt with mental health utilization in a national cohort of older adults.

Wyman MF, Jacobs J, Stalter L, Venkatesh M, Voils CI, Trivedi RB, Gleason CE, Byers AL.
Am J Geriatr Psychiatry. 2024 Dec;32(12):1387-1398. doi: 10.1016/j.jagp.2024.06.010. Epub 2024 Jul 3.
PMID: [39030145](#).

Using machine learning to predict weight gain in adults: An observational analysis from the All of Us Research program.

Jawara D, Lauer KV, Venkatesh M, Stalter LN, Hanlon B, Churpek MM, Funk LM.
J Surg Res. 2024 Dec 31;306:43-53. doi: 10.1016/j.jss.2024.11.042. Epub ahead of print.
PMID: [39742657](#).

OTOLARYNGOLOGY-HEAD & NECK SURGERY

Anesthetic agents are not harmful during pregnancy-Reply.

Glazer TA, Long MT.
JAMA Surg. 2024 Dec 11. doi: 10.1001/jamasurg.2024.5670. Epub ahead of print.
PMID: [39661352](#).

Bilateral internal superior laryngeal nerve injections for unexplained chronic cough.

Bowen AJ, Roitman A, Ring S, Francis DO, Davis RJ, McCulloch T, Dailey SH.
Am J Otolaryngol. 2024 Dec 19;46(1):104568. doi: 10.1016/j.amjoto.2024.104568. Epub ahead of print.
PMID: [39740535](#).

Developmental deglutition and intrinsic tongue muscle maturation phenotypes in the Ts65Dn mouse model of Down syndrome.

Glass TJ, Chatwin BA, Fisher EH, Hang KK, Yang Q, Brutto R, Waghray R, Connor NP.
Front Neurol. 2024 Dec 11;15:1461682. doi: 10.3389/fneur.2024.1461682.
PMID: [39722691](#); PMCID: PMC11668655.

Differential ultrasound rates mirror sex disparities in thyroid cancer.

Fernandes-Taylor S, Bowles EJA, Venkatesh M, Doud R, Krebsbach C, Arroyo N, Hanlon B, Chen AY, Davies L, Francis DO.
Thyroid. 2024 Dec;34(12):1531-1539. doi: 10.1089/thy.2024.0344. Epub 2024 Nov 28.
PMID: [39607408](#).

Does the TruBlue laser set microlaryngoscopy equipment on fire? A systematic evaluation.

Roitman A, Lunga T, Venkatraman A, Schroeder KM, Thibeault SL, Dailey SH.
Laryngoscope. 2024 Dec 6. doi: 10.1002/lary.31943. Epub ahead of print.
PMID: [39641341](#).

Geriatric nutritional risk index and postoperative outcomes following head and neck cancer surgery.

Kaki PC, Patel AM, Brant JA, Cannady SB, Rajasekaran K, Brody RM, Carey RM.
Head Neck. 2024 Dec 30. doi: 10.1002/hed.28052. Epub ahead of print.
PMID: [39737859](#).

Safety and toxicity of lopofosine I 131 (CLR 131) with external beam radiation therapy in recurrent or metastatic head and neck cancer: Results of a phase 1 single-centre, open-label, single-arm, dose escalation and dose expansion study.

Bruce JY, Burr A, Kimple RJ, Adam DP, Yu M, Piaskowski SM, Glazer TA, Hill P, Hartig GK, McCulloch TM, Wieland AM, Trask D, Oliver K, Longcor J, Rogus-Pulia N, Cho SY, Bednarz B, Harari PM.
EBioMedicine. 2025 Jan;111:105496. doi: 10.1016/j.ebiom.2024.105496. Epub 2024 Dec 12.

PEDIATRIC SURGERY

Management of twin-reversed arterial perfusion (TRAP) sequence: A systematic review and meta-analysis.

Stellon MA, Joshi DS, Beninati MJ, Levenson G, Yang Q, Antony KM, Christensen L, Hinshaw JL, Monroe E, Lobeck IN.

Fetal Diagn Ther. 2024 Dec 3:1-26. doi: 10.1159/000542841. Epub ahead of print. PMID: [39626652](#).

Regional anesthesia and surgical volume in children undergoing Nuss repair: A multicenter review.

Lotakis D, Vernamonti JP, Wright TN, Van Arendonk KJ, Minneci PC, Leys CM, Landman MP, St Peter SD, Brown RL, Mak GZ, Abebe TB, Speck KE; Midwest Pediatric Surgery Consortium (MWPSC).

J Surg Res. 2024 Dec 19;305:190-196. doi: 10.1016/j.jss.2024.11.014. Epub ahead of print.

PMID: [39705737](#).

What pediatric palliative care offers to pediatric surgeons.

Halix SJ, Porter AS, Robbins AJ, VanHouwelingen L, Antiel RM, Le HD, Baertschiger RM, Cameron DB.

J Pediatr Surg. 2024 Dec 27;60(3):162127. doi: 10.1016/j.jpedsurg.2024.162127. Epub ahead of print.

PMID: [39755004](#).

SURGICAL ONCOLOGY

Commission on Cancer center performance with the new breast cancer quality measures: A review of historical data.

Fefferman ML, Thompson DM, Wilke LG, Hwang S, Bleicher R, Freedman LM, Meisel JL, Kuchta K, Yao K.

Ann Surg Oncol. 2024 Dec 10. doi: 10.1245/s10434-024-16594-x. Epub ahead of print.

PMID: [39658720](#).

Engaging survivor and oncologist stakeholders to develop a patient-reported outcome assessment to use as a component of survivorship care.

Neuman HB, Kwekkeboom KL, Tevaarwerk AJ, Phelps K, Tucholka JL, Maxcy C, Breuer CR, Schumacher JR.

Support Care Cancer. 2024 Dec 9;33(1):9. doi: 10.1007/s00520-024-09022-z.

PMID: [39648229](#).

Genetic/familial high-risk assessment: Colorectal, endometrial, and gastric, version 3.2024, NCCN Clinical Practice Guidelines in Oncology.

Hodan R, Gupta S, Weiss JM, Axell L, Burke CA, Chen LM, Chung DC, Clayback KM, Felder S, Foda Z, Giardiello FM, Grady W, Gustafson S, Hagemann A, Hall MJ, Hampel H, Idos G, Joseph N, Kassem N, Katona B, Kelly K, Kieber-Emmons A, Kupfer S, Lang K, Llor X, Markowitz AJ, Prats MM, Niell-Swiller M, Outlaw D, Pirzadeh-Miller S, Samadder NJ, Shibata D, Stanich PP, Swanson BJ, Szymaniak BM, Welborn J, Wiesner GL, Yurgelun MB, Dwyer M, Darlow S, Diwan Z.

J Natl Compr Canc Netw. 2024 Dec;22(10):695-711. doi: 10.6004/jnccn.2024.0061.

PMID: [39689429](#).

NCCN Guidelines® insights: Survivorship, version 2.2024.

Sanft T, Day AT, Goldman M, Ansbaugh S, Armenian S, Baker KS, Ballinger TJ, Demark-Wahnefried W, Fairman NP, Feliciano J, Flores TF, Friedman DL, Gabel N, Hill-Kayser C, Koura D, Lee K, Lee N, McDonough AL, Melisko M, Mooney K, Moore HCF, Moryl N, Neuman H, Overholser L, Patel C, Peterson L, Pirl W, Porpiglia A, Schapira L, Schwartz A, Smith S, Tevaarwerk A, Von Ah D, Wake R, Yang E, Zee P, McMillian N, Freedman-Cass D.

J Natl Compr Canc Netw. 2024 Dec;22(10):648-658. doi: 10.6004/jnccn.2024.0062.

PMID: [39689426](#).

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 Dec;31(13):8873-8881. doi: 10.1245/s10434-024-16156-1. Epub 2024 Sep 25.

PMID: [39320397](#).

Single-cell multi-omic analysis of fibrolamellar carcinoma reveals rewired cell-to-cell communication patterns and unique vulnerabilities.

Farghli AR, Chan M, Sherman MS, Dickerson LK, Shui B, Nukaya M, Stephanou A, Ma RK, Pepe-Mooney BJ, Smith CJ, Long D, Munn PR, McNairn A, Grenier JK, Karski M, Ronnekleiv-Kelly SM, Pillarisetty VG, Goessling W, Gujral TS, Vakili K, Sethupathy P.

bioRxiv [Preprint]. 2024 Dec 12:2024.12.11.627911. doi: 10.1101/2024.12.11.627911.

PMID: [39713360](#); PMCID: PMC11661214.

The top ten Annals of Surgical Oncology original articles on Twitter/X: 2020-2023.

Jain AJ, Schultz K, Brainerd MJ, Murimwa GZ, Fleming AM, Fackche N, Bilir E, Chiba A, Martin AN, Singh P, Childers CP, Friedman LR, Zafar SN, Abdelsattar Z, Cortina C, Stewart C, Cowher MD, Ganai S, Merck B, Nandakumar G, Pandalai PK, Narayan RR, Ahmad SA.

Ann Surg Oncol. 2024 Dec;31(13):9100-9111. doi: 10.1245/s10434-024-15936-z. Epub 2024 Aug 13.

Erratum in: Ann Surg Oncol. 2024 Dec;31(13):9112. doi: 10.1245/s10434-024-16202-y.

PMID: [39138773](#); PMCID: PMC11560640.

TRANSPLANTATION

Hepatic resection as the primary treatment method for hepatocellular carcinoma after orthotopic liver transplantation.

Matar AJ, Oppat KM, Bennett FJ, Warren EAK, Wehrle CJ, Li Z, Rajendran L, Rokop ZP, Kubal C, Biesterveld BE, Foley DP, Maeda M, Nguyen MH, Elinoff B, Humar A, Moris D, Sudan D, Klein J, Emamaullee J, Agopian V, Vagefi PA, Dualeh SHA, Sonnenday CJ, Sapisochin G, Aucejo FN, Maithel SK.

Ann Surg Oncol. 2024 Dec;31(13):9159-9167. doi: 10.1245/s10434-024-16085-z. Epub 2024 Aug 22.

PMID: [39172301](#).

VASCULAR SURGERY

Embedding an education intervention about shared decision making into an RCT: Ensuring competency and fidelity.

Zelenski AB, Haug K, Bushaw KJ, Buffington A, Bradley T, Kwekkeboom KL, Stalter L, Hanlon BM, Wakeen MJ, Jhagroo RA, Maursetter LJ, Johnson SK, Campbell TC, Schwarze ML.

PEC Innov. 2024 Feb 2;4:100260. doi: 10.1016/j.pecinn.2024.100260.

PMID: [38347862](#); PMCID: PMC10859294.

The equipoise ruler: A national survey on surgeon judgment about the value of surgery.

Zychowski KL, Stalter LN, Erb BM, Hanlon BM, Bushaw KJ, Buffington A, Bradley T, Arnold RM, Clapp J, Kruser JM, Schwarze ML.

Ann Surg. 2024 Dec 1;280(6):905-913. doi: 10.1097/SLA.0000000000006230. Epub 2024 Feb 8.

PMID: [38328985](#); PMCID: PMC11306411.
