



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

JULY 2024 PUBLICATIONS

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

CROSS-DIVISION COLLABORATIONS

Analysis of >15 000 solid organ transplant recipients reveals nonanal genitourinary HPV-related disease as highest risk predictor for anal squamous intraepithelial lesions/anal cancer.

Freeman MJ, Yang Q, Cherney-Stafford L, Striker R, Foley DP, Al-Adra DP, Sanger CB.

Transplantation. 2024 Jul 1;108(7):1605-1612. Epub 2024 Feb 22.

[PubMed ID: [38383963](#)]

Depth over RGB: automatic evaluation of open surgery skills using depth camera.

Zuckerman I, Werner N, Kouchly J, Huston E, DiMarco S, DiMusto P, Laufer S.

Int J Comput Assist Radiol Surg. 2024 Jul;19(7):1349-1357. Epub 2024 May 15.

[PubMed ID: [38748053](#)]

ACUTE CARE AND REGIONAL GENERAL SURGERY

Collaborative care for injured older adults: The Trauma Medical Home randomized clinical trial.

Zarza BL, Holler E, Ortiz D, Perkins A, Lasiter S, Gao S, French DD, Khan B, Boustani M.

JAMA Surg. 2024 Jul 1;159(7):756-764. Erratum in: JAMA Surg. 2024 Jul 1;159(7):836.

[PubMed ID: [38717762](#)]

Survival disparities in rural versus urban patients with pancreatic neuroendocrine tumor: A multi-institutional study from the US neuroendocrine tumor study group.

Mirza MB, Baechle JJ, Marincola Smith P, Dillhoff M, Poultides G, Rocha FG, Cho CS, Winslow ER, Fields RC, Maithel SK, Idrees K.

Am J Surg. 2024 Jul;233:125-131. Epub 2024 Mar 11.

[PubMed ID: [38492993](#)]

The utility of axial imaging among selected patients in the early postoperative period after pancreatectomy.

Bloomfield GC, Shoucair S, Nigam A, Park BU, Fishbein TM, Radkani P, Winslow ER.

Surgery. 2024 Jul 23:S0039-6060(24)00475-6. Epub ahead of print.

[PubMed ID: [39048330](#)]

CARDIOTHORACIC SURGERY

Comment on: Characteristics and outcomes of lung transplants performed with ex-situ lung perfusion.

Xia Y, Ardehali A.

J Heart Lung Transplant. 2024 Jul 26:S1053-2498(24)01749-2. Epub ahead of print.

[PubMed ID: [39069160](#)]

Invited commentary: Pulmonary artery stenosis after the arterial switch operation: Ounces of prevention better than pounds of cure.

Hermenson JL, Anagnostopoulos PV.

World J Pediatr Congenit Heart Surg. 2024 Jul;15(4):430-431.

[PubMed ID: [39056453](#)]

COLORECTAL SURGERY

Commonly drawn immunologic and inflammatory markers as risk predictors for anal cancer in veterans living with HIV.

Stem J, Hewitt AJ, Yang Q, Sanger CB.

J Low Genit Tract Dis. 2024 Jul 1;28(3):300-304. Epub 2024 Apr 24.

[PubMed ID: [38661377](#)]

Patient resourcefulness and caregiver burden are interlinked with quality of life.

LoConte N, Bausch A, De Roo A.

Evid Based Nurs. 2024 Jul 22:ebnurs-2024-104003. Epub ahead of print.

[PubMed ID: [39038927](#)]

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 Jul 31. Epub ahead of print.

[PubMed ID: [39030827](#)]

MINIMALLY INVASIVE SURGERY

A non-randomized comparison of engagement and outcomes for in-person versus virtual delivery of the Partner2Lose weight management trial.

Carpenter SM, Shetty A, Hetzel SJ, Garza K, Porter LS, Gray KE, Shaw RJ, Lewis MA, Mao L, Pabich S, Johnson HM, Yancy WS Jr, Elwert F, Voils CI.

Obes Sci Pract. 2024 Jul 23;10(4):e778.

[PubMed ID: [39045420](#)]

A small intestinal bile acid modulates the gut microbiome to improve host metabolic phenotypes following bariatric surgery.

Chen Y, Chaudhari SN, Harris DA, Roberts CF, Moscalu A, Mathur V, Zhao L, Tavakkoli A, Devlin AS, Sheu EG.
Cell Host Microbe. 2024 Aug 14;32(8):1315-1330.e5. Epub 2024 Jul 22.
[PubMed ID: [39043190](#)]

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 Jul 3:S1064-7481(24)00378-6. Epub ahead of print.
[PubMed ID: [39030145](#)]

Exploring social support dynamics after bariatric surgery: Insights from patients and providers.

Jawara D, Alagoz E, Lauer KV, Voils CI, Funk LM.
J Surg Res. 2024 Jul;299:1-8. Epub 2024 Apr 26.
[PubMed ID: [38677002](#)]

Healthy outcomes through peer educators: Feasibility of a peer support diabetes prevention programme for African-American grandmother caregivers.

Vivian EM, Chewning BA, Voils CI, Brown RL.
Diabetes Obes Metab. 2024 Jul;26(7):2598-2605. Epub 2024 Apr 3.
[PubMed ID: [38567410](#)]

Outcomes from Partner2Lose: A randomized controlled trial to evaluate 24-month weight loss in a partner-assisted intervention.

Voils CI, Shaw RJ, Gavin KL, Hetzel SJ, Lewis MA, Pabich S, Johnson HM, Elwert F, Mao L, Gray KE, Yuroff A, Garza K, Yancy WS Jr, Porter LS.
BMC Public Health. 2024 Jul 20;24(1):1948.
[PubMed ID: [39033273](#)]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

Acoustic character governing variation in normal, benign, and malignant voices.

Liu B, Lei J, Wischhoff OP, Smereka KA, Jiang JJ.
Folia Phoniatr Logop. 2024 Jul 22:1-10. Epub ahead of print.
[PubMed ID: [38981448](#)]

Commentary on: "Artificial intelligence versus human focus group rating of facial attractiveness" by Khodayar Goshtasbi et al.

Marcus B.
Facial Plast Surg Aesthet Med. 2024 Jul-Aug;26(4):377-378. Epub 2024 Feb 19.
[PubMed ID: [38377585](#)]

Contribution of Streptococcus pseudopneumoniae and Streptococcus salivarius to vocal fold mucosal integrity and function.

Lungova V, Gowda M, Fernandez JM, Bartley S, Venkatraman A, Rey FE, Thibeault SL.
Dis Model Mech. 2024 Jul 1;17(7):dmm050670. Epub 2024 Jul 16.
[PubMed ID: [38903015](#)]

Current state of safe pregnancy policies for the US surgical trainee.

Mann H, Glazer T.
OTO Open. 2024 Jul 21;8(3):e172.
[PubMed ID: [39036338](#)]

Diagnostic utility of spirometry for children with induced laryngeal obstruction or chronic non-specific cough.

Fujiki RB, Thibeault SL.

Am J Otolaryngol. 2024 Jul-Aug;45(4):1043-16. Epub 2024 Apr 23.

[PubMed ID: [38677150](#)]

Economic burden of induced laryngeal obstruction in adolescents and children.

Fujiki RB, Lunga T, Francis DO, Thibeault SL.

Laryngoscope. 2024 Jul;134(7):3384-3390. Epub 2024 Jan 17.

[PubMed ID: [38230958](#)]

Effects of cervical bracing on elderly patients with dysphagia.

Hernandez J, Levenson G, Thibeault SL.

Am J Speech Lang Pathol. 2024 Jul 3;33(4):2059-2066. Epub 2024 May 7.

[PubMed ID: [38713804](#)]

Effects of exercise-induced laryngeal obstruction in adolescents: A qualitative study.

Fujiki RB, Johnson R, Fujiki AE, Thibeault SL.

Am J Speech Lang Pathol. 2024 Jul 3;33(4):1911-1929. Epub 2024 May 10.

[PubMed ID: [38728156](#)]

Impact of procedural variation in endoscopic dilation for idiopathic subglottic stenosis.

Santapuram P, Tierney WS, Huang LC, Chen SC, Berry LD, Francis DO, Gelbard A.

Laryngoscope. 2024 Jul;134(7):3260-3266. Epub 2024 Mar 19.

[PubMed ID: [38501339](#)]

Multidisciplinary management of advanced thyroid cancer.

Bruce JY, Glazer TA, Kimple RJ.

JCO Oncol Pract. 2024 Jul;20(7):877-878. Epub 2024 Mar 29.

[PubMed ID: [38810182](#)]

Patient perceptions of the impact of inducible laryngeal obstruction on quality of life.

McConville KM, Thibeault SL.

PLoS One. 2024 Jul 16;19(7):e0307002.

[PubMed ID: [39012891](#)]

Similarity network analysis of the adaptive immune response in the proximal airway.

Clark E, Talatala ERR, Ye W, Davis RJ, Collins SL, Hillel AT, Ramirez-Solano M, Sheng Q, Wanjalla CN, Mallal SA, Gelbard A.

Laryngoscope. 2024 Jul;134(7):3245-3252. Epub 2024 Mar 7.

[PubMed ID: [38450771](#)]

Voice disorder prevalence and vocal health characteristics in adolescents.

Fujiki RB, Thibeault SL.

JAMA Otolaryngol Head Neck Surg. 2024 Jul 25:e242081. Epub ahead of print.

[PubMed ID: [39052255](#)]

PEDIATRIC SURGERY

Neonatal rhabdoid tumor presenting as feeding intolerance and vomiting: A case report.

Stellon M, Joshi D, Lee-Miller C, Brinkman A.

Pediatr Blood Cancer. 2024 Jul;71(7):e31013. Epub 2024 Apr 11.
[PubMed ID: [38605545](#)]

Survival outcomes in pediatric patients with metastatic Ewing sarcoma who achieve a rapid complete response of pulmonary metastases.

Reiter AJ, Huang L, Craig BT, Davidoff AM, Talbot LJ, Coggins J, Smith J, Aldrink JH, Bergus KC, MacArthur TA, Polites SF, Boehmer C, Brungardt J, Malek MM, Rinehardt HN, Kastenberg ZJ, Arkin CM, Gourmel A, Piche N, Wallace M, Liang J, Lovvorn HN 3rd, Petroze RT, Gillies G, Marquart JP, Beckett K, Le HD, Favela J, Rich BS, Glick RD, Seemann NM, Davidson J, Wilson CA, Roach J, Brown EG, Doyle KE, Coakley BA, Emengo P, Merola P, Grant CN, Tirumani A, Tracy ET, Moya-Mendez ME, Dasgupta R, Lautz TB; Pediatric Surgical Oncology Research Collaborative.
Pediatr Blood Cancer. 2024 Jul;71(7):e31026. Epub 2024 Apr 28.
[PubMed ID: [38679864](#)]

Venous thromboembolism prophylaxis in high-risk pediatric trauma patients.

Witte AB, Van Arendonk K, Bergner C, Bantchev M, Falcone RA Jr, Moody S, Hartman HA, Evans E, Thakkar R, Patterson KN, Minneci PC, Mak GZ, Slidell MB, Johnson M, Landman MP, Markel TA, Leys CM, Cherney Stafford L, Draper J, Foley DS, Downard C, Skaggs TM, Lal DR, Gourlay D, Ehrlich PF.
JAMA Surg. 2024 Jul 31:e242487. Epub ahead of print.
[PubMed ID: [39083300](#)]

PLASTIC SURGERY

Abductor pollicis longus tendon abnormalities and release in children with congenital clasped thumb.

Israel JS, Jeardeau TA, Tomhave WA, Moran SL.
Hand (N Y). 2024 Jul;19(5):790-799. Epub 2022 Dec 26.
[PubMed ID: [36571390](#)]

Can electrical stimulation prevent recurrence of keloid scars? A scoping review.

George RE, Bay CC, Thornton SM, Knazze JT, Kane NC, Ludwig KA, Donnelly DT, Poore SO, Dingle AM.
Adv Wound Care (New Rochelle). 2024 Jul 26. Epub ahead of print.
[PubMed ID: [38888004](#)]

Current applications of artificial intelligence in billing practices and clinical plastic surgery.

Zhu C, Attaluri PK, Wirth PJ, Shaffrey EC, Friedrich JB, Rao VK.
Plast Reconstr Surg Glob Open. 2024 Jul 1;12(7):e5939.
[PubMed ID: [38957712](#)]

Management of the spastic elbow deformity in adult patients with upper motor neuron syndrome.

Israel J, Fahrenkopf M, Rhee PC.
J Hand Surg Am. 2024 Jul 18:S0363-5023(23)00558-0. Epub ahead of print.
[PubMed ID: [39023500](#)]

Plastic surgery and cryptocurrency: A 2024 update.

Thornton SM, Attaluri PK, Shaffrey EC, Wirth PJ, Rao AJ, Rao VK.
Plast Reconstr Surg Glob Open. 2024 Jul 26;12(7):e6006.
[PubMed ID: [39071765](#)]

State of physician unionization.

Zeitouni F, Attaluri PK, Wirth PJ, Shaffrey EC, Rao V.
J Surg Educ. 2024 Jul;81(7):929-937. Epub 2024 May 14.
[PubMed ID: [38749815](#)]

Unmatched. What's next? Is a preliminary year of residency or research fellowship better for reapplicants to plastic surgery?

George RE, Bay CC, Thornton SM, Zhong T, Feeley LP, Schappe AM, Dingle AM, Poore SO.
Plast Reconstr Surg Glob Open. 2024 Jul 5;12(7):e5955.
[PubMed ID: [38974831](#)]

SURGICAL ONCOLOGY

A four-arm randomized clinical trial of topical pain control for sentinel node radiotracer injections in patients with breast cancer.

Wiener AA, Schumacher JR, Perlman SB, Wilke LG, Lautner MA, Bozzuto LM, Hanlon BM, Neuman HB.
Ann Surg Oncol. 2024 Jul;31(7):4487-4497. Epub 2024 Apr 1.
[PubMed ID: [38557909](#)]

Assessing general surgery residents outside of the operating room: Our experience with entrustable professional activities in the pre-operative and post-operative settings.

Ly N, Ocoke F, Minter RM, Jung S.
Am J Surg. 2024 Jul 17;115849. Epub ahead of print.
[PubMed ID: [39060189](#)]

Circadian disruption, clock genes, and metabolic health.

Schrader LA, Ronnekleiv-Kelly SM, Hogenesch JB, Bradfield CA, Malecki KM.
J Clin Invest. 2024 Jul 15;134(14):e170998.
[PubMed ID: [39007272](#)]

Colon cancer survival among South Asian Americans: A cross-sectional analysis of a national dataset.

Ahmed KS, Marcinak CT, LoConte NK, Krebsbach JK, Virani SS, Schiefelbein AM, Varley P, Walker M, Ghias K, Murtaza M, Zafar SN.
J Surg Res. 2024 Jul;299:269-281. Epub 2024 May 23.
[PubMed ID: [38788463](#)]

Decision-making confidence of clinical competency committees for entrustable professional activities.

Montgomery KB, Mellinger JD, McLeod MC, Jones A, Zmijewski P, Sarosi GA Jr, Brasel KJ, Klingensmith ME, Minter RM, Buyske J, Lindeman B.
JAMA Surg. 2024 Jul 1;159(7):801-808.
[PubMed ID: [38717759](#)]

Improving Surgical Care and Outcomes in Older Cancer Patients Through Implementation of a Pre-Surgical Toolkit (OPTI-Surg)-Final results of a phase III cluster randomized trial (Alliance A231601CD).

Chang GJ, Gunn HJ, Barber AK, Lowenstein LM, Dohan D, Broering J, Dockter T, Tan AD, Dueck A, Chow S, Neuman H, Finlayson E; OPTI-Surg Investigators.
Ann Surg. 2024 Jul 29. Epub ahead of print.
[PubMed ID: [39069901](#)]

Understanding futility in pancreaticoduodenectomy: Insights from a national cohort.

Marcinak CT, Ahmed KS, LoConte NK, Praska CE, Varley PR, Weber SM, Abbott DE, Ronnekleiv-Kelly SM, Kratz JD, Lubner SJ, Minter RM, Zafar SN.

J Surg Oncol. 2024 Jul 31. Epub ahead of print.

[PubMed ID: [39082628](#)]

TRANSPLANTATION

American Society of Transplant Surgeons normothermic regional perfusion standards: Abdominal.

Croome K, Bababekov Y, Brubaker A, Montenovio M, Mao S, Sellers M, Foley D, Pomfret E, Abt P. Transplantation. 2024 Aug 1;108(8):1660-1668. Epub 2024 Jul 17.

[PubMed ID: [39012956](#)]

Ethical and policy issues arising in crowdfunding for solid organ transplantation: A content analysis of newspaper coverage of recipient and donor fundraising campaigns.

Mallepeddi S, Patel PD, D'Amico C, Thiessen C.

Transplant Proc. 2024 Jul 15:S0041-1345(24)00333-6. Epub ahead of print.

[PubMed ID: [39013745](#)]

Immunosuppression withdrawal in living-donor renal transplant recipients following induction with antithymocyte globulin and rituximab: Results of a prospective clinical trial.

Markmann JF, Burrell BE, Bromberg JS, Hartono C, Kaufman DB, Posselt AM, Naji A, Bridges ND, Breeden C, Kanaparthi S, Pardo J, Kopetskie H, Mason K, Lim N, Chandran S.

Am J Transplant. 2024 Jul;24(7):1193-1204. Epub 2024 Mar 11.

[PubMed ID: [38467375](#)]

Indications, techniques, and barriers for pancreas transplant biopsy: A consensus perspective from a survey of US Centers.

Singh N, Lentine KL, Fleetwood VA, Woodside KJ, Odorico J, Axelrod D, Alhamad T, Maher K, Xiao H, Fridell J, Kukla A, Pavlakis M, Shokouh-Amiri HM, Zibari G, Cooper M, Parsons RF.

Transplantation. 2024 Jul 1;108(7):e129-e138. Epub 2024 Mar 12.

[PubMed ID: [38467588](#)]

Just a number? Donor age and (lack of) associated reasons for heart offer refusal.

Bhowmik AC, Wayda B, Luikart H, Weng Y, Zhang S, Wood RP, Nieto J, Groat T, Neidlinger N, Zaroff J, Malinoski D, Khush KK.

J Heart Lung Transplant. 2024 Jul 31:S1053-2498(24)01778-9. Epub ahead of print.

[PubMed ID: [39089606](#)]

Normothermic liver perfusion derived extracellular vesicles have concentration-dependent immunoregulatory properties.

Jennings H, McMorro S, Chlebeck P, Heise G, Levitsky M, Verhoven B, Kink JA, Weinstein K, Hong S, Al-Adra DP.

J Extracell Vesicles. 2024 Jul;13(7):e12485.

[PubMed ID: [39051751](#)]

Persistent SARS-CoV-2 infection: Significance and implications.

Machkovech HM, Hahn AM, Garonzik Wang J, Grubaugh ND, Halfmann PJ, Johnson MC, Lemieux JE, O'Connor DH, Piantadosi A, Wei W, Friedrich TC.

Lancet Infect Dis. 2024 Jul;24(7):e453-e462. Epub 2024 Feb 7.

[PubMed ID: [38340735](#)]

VASCULAR SURGERY

A plea for urgent action: Addressing the critical shortage of cardiothoracic surgical workforce in the COSECSA region.

Bekele A, Alayande BT, Gulilat D, White RE, Tefera G, Borgstein E.

World J Surg. 2024 Jul 7. Epub ahead of print.

[PubMed ID: [38972978](#)]

Advanced abdominal aortic aneurysm modeling in mice by combination of topical elastase and oral β -aminopropionitrile.

Bontekoe J, Upchurch G, Morgan C, Liu B.

J Vis Exp. 2024 Jul 26;(209).

[PubMed ID: [39141527](#)]

Systems forces leading to feeding tube placement in patients with advanced dementia: A qualitative exploration of clinical momentum.

Zaza SI, Jacobson N, Buffington A, Dudek A, Haug K, Bradley T, Bushaw KJ, Kalbfell EL, Kwekkeboom K, Schwarze ML.

J Palliat Med. 2024 Aug;27(8):993-1000. Epub 2024 Jul 31.

[PubMed ID: [39083427](#)]

Top ten tips palliative care clinicians should know before their patient undergoes surgery.

Hadler R, India L, Bader AM, Farber ON, Fritz ML, Johnston FM, Massarweh NN, Pathak R, Sacks SH, Schwarze ML, Streid J, Rosa WE, Aslakson RA.

J Palliat Med. 2024 Jul 15. Epub ahead of print.

[PubMed ID: [39008413](#)]
