



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

MAY 2024 PUBLICATIONS

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

CROSS-DIVISION COLLABORATIONS

Cancer surveillance in solid organ transplant recipients with a pretransplant history of malignancy: Multidisciplinary collaborative expert opinion.

Watt KD, Rolak S, Foley DP, Plichta JK, Pruthi S, Farr D, Zwald FO, Carvajal RD, Dudek AZ, Sanger CB, Rocco R, Chang GJ, Dizon DS, Langstraat CL, Teoh D, Agarwal PK, Al-Qaoud T, Eggener S, Kennedy CC, D'Cunha J, Mohindra NA, Stewart S, Habermann TH, Schuster S, Lunning M, Shah NN, Gertz MA, Mehta J, Suvannasankha A, Verna E, Farr M, Blosser CD, Hammel L, Al-Adra DP.

Transplantation. 2024 May 21. Epub ahead of print.

[PubMed ID: [38771067](#)]

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 May 15. Epub ahead of print.

[PubMed ID: [38748053](#)]

Does delayed operation increase morbidity and mortality? An analysis of emergency general surgery procedures.

Franklin KN, Nishtala M, McCracken A, Berian JR, Zarzaur B.

J Trauma Acute Care Surg. 2024 May 1. Epub ahead of print.

[PubMed ID: [38689389](#)]

ACUTE CARE AND REGIONAL GENERAL SURGERY

American Burn Association clinical practice guidelines on the treatment of severe frostbite.

Wibbenmeyer L, Lacey AM, Endorf FW, Logsetty S, Wagner ALL, Gibson ALF, Nygaard RM.

J Burn Care Res. 2024 May 6;45(3):541-556.

[PubMed ID: [37045447](#)]

Approach to postpancreatectomy care impacts outcomes: Retrospective validation of the PORSCH trial.

Bloomfield GC, Radkani P, Nigam A, Namgoong J, Chou J, Park BU, Fishbein TM, Winslow ER.

Am J Surg. 2024 May 18:S0002-9610(24)00273-3. Epub ahead of print.

[PubMed ID: [38782685](#)]

Automated stratification of trauma injury severity across multiple body regions using multi-modal, multi-class machine learning models.

Gao J, Chen G, O'Rourke AP, Caskey J, Carey KA, Oguss M, Stey A, Dligach D, Miller T, Mayampurath A, Churpek MM, Afshar M.

J Am Med Inform Assoc. 2024 May 20;31(6):1291-1302.

[PubMed ID: [38587875](#)]

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

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

JAMA Surg. 2024 May 8:e241043. Epub ahead of print.

[PubMed ID: [38717762](#)]

Factors associated with pelvic infection after pre-peritoneal pelvic packing for hemodynamically unstable pelvic fractures.

Baker JE, Ladhani HA, McCall C, Horwood CR, Werner NL, Platnick B, Cothren Burlew C.

Surg Infect (Larchmt). 2024 May 14. Epub ahead of print.

[PubMed ID: [38752886](#)]

Mechanisms of delayed indocyanine green fluorescence and applications to clinical disease processes.

Zajac J, Liu A, Hassan S, Gibson A.

Surgery. 2024 May 14:S0039-6060(24)00218-6. Epub ahead of print.

[PubMed ID: [38749795](#)]

The effect of anatomic location on porcine models of burn injury and wound healing.

Liu A, Cheong JZA, Hassan S, Wielgat MB, Meudt JJ, Townsend EC, Shanmuganayagam D, Kalan LR, Gibson A.

Wound Repair Regen. 2024 May 22. Epub ahead of print.

[PubMed ID: [38775411](#)]

The porcine skin microbiome exhibits broad fungal antagonism.

De La Cruz KF, Townsend EC, Alex Cheong JZ, Salamzade R, Liu A, Sandstrom S, Davila E, Huang L, Xu KH, Wu SY, Meudt JJ, Shanmuganayagam D, Gibson ALF, Kalan LR.

Fungal Genet Biol. 2024 May 28;173:103898. Epub ahead of print.

[PubMed ID: [38815692](#)]

CARDIOTHORACIC SURGERY

Non-small cell lung cancer, version 4.2024.

Riely GJ, Wood DE, Ettinger DS, Aisner DL, Akerley W, Bauman JR, Bharat A, Bruno DS, Chang JY, Chirieac LR, DeCamp M, Desai AP, Dilling TJ, Dowell J, Durm GA, Gettinger S, Grotz TE, Gubens MA, Juloori A, Lackner RP, Lanuti M, Lin J, Loo BW, Lovly CM, Maldonado F, Massarelli E, 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 KM, Hang L.

J Natl Compr Canc Netw. 2024 May;22(4):249-274.

[PubMed ID: [38754467](#)]

Surgically induced aortic coarctation in a neonatal porcine model allows for longitudinal assessment of cardiovascular changes.

Stellon M, Gober L, Culver MA, Hermsen J, Irrer D, Witzenburg C, Roldán-Alzate A, Lamers L.

Am J Physiol Heart Circ Physiol. 2024 May 1;326(5):H1117-H1123. Epub 2024 Mar 15.
[PubMed ID: [38488518](#)]

COLORECTAL SURGERY

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 May 24. Epub ahead of print.

[PubMed ID: [38789260](#)]

ENDOCRINE SURGERY

Don't chase the adenoma: A probabilistic approach to imaging before parathyroidectomy.

Lunardi N, Jacob A, Elfenbein D, Schneider DF, Long K, Holoubek SA, MacKinney E, Chiu A, Sippel RS, Balentine CJ.

Surgery. 2024 May;175(5):1299-1304. Epub 2024 Mar 2.

[PubMed ID: [38433078](#)]

What constitutes quality in endocrine surgery? Statement from the American Association of Endocrine Surgeons.

Mathur A, Patel KN, Wilhelm SM, Sippel RS, Miller BS, Solórzano CC, Kelz R.

Surgery. 2024 May 17:S0039-6060(24)00214-9. Epub ahead of print.

[PubMed ID: [38762381](#)]

MINIMALLY INVASIVE SURGERY

Making choices: A multi-institutional, longitudinal cohort study assessing changes in treatment outcome valuation for low-risk thyroid cancer.

Antunez AG, Sinco BR, Saucke MC, Bushaw KJ, Jensen CB, Dream S, Fingeret AL, Livhits MJ, Mathur A, McDow A, Roman SA, Voils CI, Sydnor J, Pitt SC; CHOICE Collaborative (Comparing Health Outcomes in Cancer Experience).

Ann Surg. 2024 May 20. Epub ahead of print.

[PubMed ID: [38766877](#)]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

Age and sex-related variations in murine laryngeal microbiota.

An R, Venkatraman A, Binns J, Saric C, Rey FE, Thibeault SL.

PLoS One. 2024 May 14;19(5):e0300672.

[PubMed ID: [38743725](#)]

Anxiety, depression, and posttraumatic stress disorder in patients with induced laryngeal obstruction.

Fujiki RB, Fujiki AE, Thibeault SL.

JAMA Otolaryngol Head Neck Surg. 2024 May 1;150(5):368-377.
[PubMed ID: [38483372](#)]

Effects of cervical bracing on elderly patients with dysphagia.

Hernandez J, Levenson G, Thibeault SL.
Am J Speech Lang Pathol. 2024 May 7:1-8. Epub ahead of print.
[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 May 10:1-19. Epub ahead of print.
[PubMed ID: [38728156](#)]

The larynx is protected from secondary and vertical papillomavirus infection in immunocompetent mice.

King RE, Rademacher J, Ward-Shaw ET, Hu R, Bilger A, Blaine-Sauer S, Spurgeon ME, Thibeault SL, Lambert PF.
Laryngoscope. 2024 May;134(5):2322-2330. Epub 2023 Dec 12.
[PubMed ID: [38084790](#)]

PEDIATRIC SURGERY

Principles of pediatric palliative surgical oncology: A guide to palliative care for pediatric surgeons.

Halix SJ, Robbins AJ, Cameron DB, Baertschiger RM, Roach J, Brown EG, Aldrink JH, Rodeberg DA, Cost N, Snaman J, Le HD; American Pediatric Surgical Association Cancer Committee.
Ann Surg. 2024 May 8. Epub ahead of print.
[PubMed ID: [38727141](#)]

PLASTIC SURGERY

Insurance status predicts hand therapy adherence following flexor tendon repair: A retrospective cohort study.

McLaughlin MT, Moura SP, Edalatpour A, Seitz AJ, Michelotti BF.
Plast Reconstr Surg. 2024 May 1;153(5):942e-951e. Epub 2023 May 16.
[PubMed ID: [37189235](#)]

Livestreaming microsurgery education: An avenue to expand global plastic surgery.

Eftekari SC, Zeng W, Shaffrey EC, Reuter Munoz KD, Donnelly DT, Dingle AM, Poore SO.
Plast Reconstr Surg Glob Open. 2024 May 13;12(5):e5797.
[PubMed ID: [38741601](#)]

Patient outcomes and complications following various maxillomandibular fixation techniques: A systematic review and meta-analysis.

Kalluri MH, Edalatpour A, Thadikonda KM, Blum JD, Garland CB, Cho DY.
J Plast Reconstr Aesthet Surg. 2024 May;92:151-176. Epub 2024 Mar 6.
[PubMed ID: [38520780](#)]

Postoperative outcomes following buried penis reconstruction: A single-institution experience using the Wisconsin Classification System.

Seitz AJ, Edalatpour A, Israel JS, Grimes MD, Williams DH, Poore SO.
Plast Reconstr Surg. 2024 May 1;153(5):1151-1160. Epub 2023 Jun 20.
[PubMed ID: [37337329](#)]

Predicting nipple necrosis with a "lights-on" indocyanine green imaging system: A report of two patients.

Shaffrey EC, Moura SP, Jupitz S, Seets T, Kawahara T, Uselmann A, Lin C, Poore SO.
Arch Plast Surg. 2024 Apr 4;51(3):337-341.
[PubMed ID: [38737846](#)]

Quantifying the impact of prepectoral implant conversion on patient satisfaction and quality of life.

Seitz AJ, MacKenzie EL, Edalatpour A, Janssen DA, Doubek WG 3rd, Afifi AM.
Plast Reconstr Surg. 2024 May 1;153(5):884e-894e. Epub 2023 Jun 19.
[PubMed ID: [37335561](#)]

Rise above the competition: How do plastic surgery residency applicants with NCAA experience fare in the residency match?

Shaffrey EC, Edalatpour A, Nicksic PJ, Nkana ZH, Michelotti BF, Afifi AM.
Aesthetic Plast Surg. 2024 May;48(9):1867-1873. Epub 2023 Jul 27.
[PubMed ID: [37500905](#)]

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](#)]

The natural history of fibrous dysplasia of the orbit.

Blum JD, Cho DY, Villavisanis DF, Goncalves FG, Swanson JW, Storm PB, Taylor JA, Bartlett SP.
Plast Reconstr Surg. 2024 May 1;153(5):962e-970e. Epub 2023 May 15.
[PubMed ID: [37184453](#)]

SURGICAL ONCOLOGY

Accuracy and prognostic impact of nodal status on preoperative imaging for management of pancreatic neuroendocrine tumors: A multi-institutional study.

Zhang N, He J, Maithel SK, Poultides G, Rocha F, Weber S, Fields R, Idrees K, Cho C, Lv Y, Zhang XF, Pawlik TM.
Ann Surg Oncol. 2024 May;31(5):2882-2891. Epub 2023 Dec 14.
[PubMed ID: [38097878](#)]

An image-rich educational review of breast pain.

Bui AH, Smith GJ, Dyrstad SW, Robinson KA, Herman CR, Owusu-Brackett N, Fowler AM.
J Breast Imaging. 2024 May 27;6(3):311-326.
[PubMed ID: [38538078](#)]

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

Walcheck MT, Schwartz PB, Carrillo ND, Matkowsky KA, Nukaya M, Bradfield CA, Ronnekleiv-Kelly SM.
Pancreas. 2024 May 1. Epub ahead of print.
[PubMed ID: [38696422](#)]

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 May 23;299:269-281. Epub ahead of print.

[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 May 8:e240809. Epub ahead of print.

[PubMed ID: [38717759](#)]

Goals, structure and financing of surgical residency training: A subcommittee report of the Blue Ribbon Committee II.

Klingensmith ME, Minter RM, Fisher K, Berry CD, Cooke DT, Phillips LG, Sidawy AN, Freischlag JA.

Ann Surg. 2024 May 24. Epub ahead of print.

[PubMed ID: [38787521](#)]

Preoperative CA 19-9 predicts disease progression in colorectal peritoneal metastases treated with cytoreductive surgery and hyperthermic intraperitoneal chemotherapy: An analysis from the US HIPEC Collaborative.

Fackche NT, Schmocker RK, Nudotor R, Kubi B, Cloyd JM, Grotz TE, Fournier KF, Dineen SP, Veerapong J, Baumgartner JM, Clarke CN, Patel SH, Wilson GC, Lambert LA, Pokrzywa C, Abbott DE, Lee B, Staley CA, Zaidi MY, Johnston FM, Greer JB.

Ann Surg Oncol. 2024 May;31(5):3314-3324. Epub 2024 Feb 3.

[PubMed ID: [38310181](#)]

Same people, different results: Categorizing cancer registry cases across the rural-urban continuum.

Schiefelbein AM, Krebsbach JK, Taylor AK, Haimson AK, Varley PR, Skala MC, Eason JM, LoConte NK.

WMJ. 2024 May;123(2):78-87.

[PubMed ID: [38718234](#)]

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 May 20:OP2300724. Epub ahead of print.

[PubMed ID: [38768413](#)]

TRANSPLANTATION

An eye for an eye?: Problematic risk-benefit trade-offs in whole eye transplantation.

Weinlander E, Erb B, Thiessen C.

Am J Bioeth. 2024 May;24(5):75-79. Epub 2024 Apr 18.

[PubMed ID: [38635428](#)]

Ethical analysis of the first porcine cardiac xenotransplantation.

Gyngell C, Munsie M, Fujita M, Thiessen C, Savulescu J, Konstantinov IE.
J Med Ethics. 2024 May 22;50(6):363-367.
[PubMed ID: [37348929](#)]

Glucose transporters are key components of the human glucostat.

Caspi I, Tremmel DM, Pulecio J, Yang D, Liu D, Yan J, Odorico JS, Huangfu D.
Diabetes. 2024 May 22;db230508. Epub ahead of print.
[PubMed ID: [38775784](#)]

Novel tools for the study of HLA class II cross-isotype pairings.

Hidalgo LG.
Transplantation. 2024 May 1;108(5):1058-1059. Epub 2024 Apr 24.
[PubMed ID: [38659116](#)]

Sequelae of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection among kidney transplant recipients: A large single-center experience.

Zona EE, Gibes ML, Jain AS, Danobeitia JS, Garonzik-Wang J, Smith JA, Mandelbrot DA, Parajuli S.
Crit Care Res Pract. 2024 May 2;2024:7140548.
[PubMed ID: [38725586](#)]

What is hot and new in basic and translational science in liver transplantation in 2023? Report of the Basic and Translational Research Committee of the International Liver Transplantation Society.

Bonaccorsi-Riani E, Ghinolfi D, Czigany Z, Dondossola D, Emamaullee J, Yuksel M, Boteon YL, Al-Adra D, Ho CM, Abdelrahim M, Pang L, Barbas A, Meier R, MacParland S, Sayed BA, Pavan-Guimaraes J, Brüggewirth IMA, Zarrinpar A, Mas VR, Selzner M, Martins PN, Bhat M.
Transplantation. 2024 May 1;108(5):1043-1052. Epub 2024 Mar 18.
[PubMed ID: [38494468](#)]

VASCULAR SURGERY

Better conversations for better informed consent: Talking with surgical patients.

Schwarze ML, Arnold RM, Clapp JT, Kruser JM.
Hastings Cent Rep. 2024 May;54(3):11-14.
[PubMed ID: [38842906](#)]

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, Frieschlag JA, Stroupe K, Matsumura JS, Kundu A, Kyriakides TC.
Ann Vasc Surg. 2024 May 28;S0890-5096(24)00232-2. Epub ahead of print.
[PubMed ID: [38815919](#)]
