



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

APRIL 2023 PUBLICATIONS

Congratulations to all department members whose research was published in April 2023! The following list is organized by division within the Department of Surgery.

CROSS-DIVISION COLLABORATIONS

Longitudinal experience of patients with post-thyroidectomy vocal cord paralysis.

Chiu A, Damico C, Bach K, Arroyo N, Sippel R, Francis DO.

Am J Surg. 2023 Apr;225(4):685-689. Epub 2022 Oct 7.

[PubMed ID: [36257853](#)]

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. 2023 Apr 13;irad022. Epub ahead of print.

[PubMed ID: [37045447](#)]

Bowel preparation before nonelective sigmoidectomy for sigmoid volvulus: Highly beneficial but vastly underused.

Schudrowitz N, Shahan CP, Moss T, Scarborough JE.

J Am Coll Surg. 2023 Apr 1;236(4):649-655. Epub 2023 Mar 15.

[PubMed ID: [36695556](#)]

Greater patient sharing between hospitals is associated with better outcomes for transferred emergency general surgery patients.

Fernandes-Taylor S, Yang Q, Yang DY, Hanlon BM, Schumacher JR, Ingraham AM.

J Trauma Acute Care Surg. 2023 Apr 1;94(4):592-598. Epub 2022 Nov 18.

[PubMed ID: [36730565](#)]

Management of blunt splenic injury: Down the rabbit hole and into the bucket.

Savage SA.

Trauma Surg Acute Care Open. 2023 Apr 6;8(Suppl 1):e001119.

[PubMed ID: [37082308](#)]

CARDIOTHORACIC SURGERY

A combined, supraclavicular, infraclavicular, transaxillary, and posterior subscapular approaches for *en bloc* resection of giant myxofibrosarcoma.

Bethel JA, McCarthy DP, Weisman PS, Glazer TA, Hanna AS.

Surg Neurol Int. 2023 Apr 21;14:144.

[PubMed ID: [37151449](#)]

Commentary: Obstruction or no obstruction? That is the question. Is CT the answer we've been searching for?

Allen CC, Anagnostopoulos PV.

Semin Thorac Cardiovasc Surg. 2023 Spring;35(1):138-139. Epub 2022 Mar 21.

[PubMed ID: [35331897](#)]

Commentary: Regionalization of congenital heart surgery. If you don't know where you are going, you'll end up someplace else.

Alsoufi B, Anagnostopoulos PV.

J Thorac Cardiovasc Surg. 2023 Apr;165(4):1551-1553. Epub 2022 Jun 25.

[PubMed ID: [35811141](#)]

NCCN Guidelines® Insights: Non-small cell lung cancer, version 2.2023.

Ettinger DS, Wood DE, Aisner DL, Akerley W, Bauman JR, Bharat A, Bruno DS, Chang JY, Chirieac LR, DeCamp M, Dilling TJ, Dowell J, Durm GA, Gettinger S, Grotz TE, Gubens MA, Hegde A, Lackner RP, Lanuti M, Lin J, Loo BW, Lovly CM, Maldonado F, Massarelli E, Morgensztern D, Ng T, Otterson GA, Patel SP, Patil T, Polanco PM, Riely GJ, Riess J, Schild SE, Shapiro TA, Singh AP, Stevenson J, Tam A, Tanvetyanon T, Yanagawa J, Yang SC, Yau E, Gregory KM, Hughes M.

J Natl Compr Canc Netw. 2023 Apr;21(4):340-350.

[PubMed ID: [37015337](#)]

COLORECTAL SURGERY

Topical protease inhibitor decreases anal carcinogenesis in a transgenic mouse model of HPV anal disease.

Gunder LC, Johnson HR, Yao E, Moyer TH, Green HA, Sherer N, Zhang W, Carchman EH.

Viruses. 2023 Apr 20;15(4):1013.

[PubMed ID: [37112993](#)]

ENDOCRINE SURGERY

Outcomes of nonoperative vs operative management of acute appendicitis in older adults in the US.

Meier J, Stevens A, Bhat A, Berger M, Balentine C.

JAMA Surg. 2023 Apr 5:e230284. Epub ahead of print.

[PubMed ID: [37017955](#)]

MINIMALLY INVASIVE SURGERY

Better than the real thing? Success of a virtual platform for an established "Train the Trainer" course.

Shada AL, Sanchez J, Choi Y, Schwarz E, Paige JT, Dort J, Moudgill L, Bernier G.
Surg Endosc. 2023 Apr;37(4):2673-2681. Epub 2022 Nov 18.
[PubMed ID: [36401104](#)]

Emerging from the pandemic: How has academic surgery changed?

Choi PM, Lillemoe KD, Tseng JF, Mammen JMV, Nelles ME, Dossett LA, Funk LM.
J Surg Res. 2023 Aug;288:188-192. Epub 2023 Apr 3.
[PubMed ID: [37018895](#)]

Impact of COVID-19 on the postoperative bariatric surgery patient experience.

Murtha JA, Alagoz E, Breuer CR, Eierman L, Jawara D, Farrar-Edwards D, Voils CI, Funk LM.
Ann Surg. 2023 Apr 1;277(4):e745-e751. Epub 2022 Jul 6.
[PubMed ID: [35794783](#)]

Reflux surgery in lung transplantation: A multicenter retrospective study.

Green CL, Gulack BC, Keshavjee S, Singer LG, McCurry K, Budev MM, Reece TL, Lidor AO, Palmer SM, Davis RD.
Ann Thorac Surg. 2023 Apr;115(4):1024-1032. Epub 2022 Oct 7.
[PubMed ID: [36216086](#)]

Socioeconomic disparities and bariatric surgery outcomes: A qualitative analysis.

Funk LM, Alagoz E, Murtha JA, Breuer CR, Pati B, Eierman L, Jawara D, Farrar-Edwards D, Voils CI.
Am J Surg. 2023 Apr;225(4):609-614. Epub 2022 Sep 27.
[PubMed ID: [36180301](#)]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

A combined, supraclavicular, infraclavicular, transaxillary, and posterior subscapular approaches for *en bloc* resection of giant myxofibrosarcoma.

Bethel JA, McCarthy DP, Weisman PS, Glazer TA, Hanna AS.
Surg Neurol Int. 2023 Apr 21;14:144.
[PubMed ID: [37151449](#)]

Are rhinitis and Eustachian tube dysfunction associated in United States adolescents?

Adams DR, Rowan NR, Lin SY, Pinto JM, Roxbury CR.
Int J Pediatr Otorhinolaryngol. 2023 Apr;167:111511. Epub 2023 Mar 13.
[PubMed ID: [36933343](#)]

Concerns over diagnostic accuracy of fine-needle biopsy in thyroid nodule diagnosis-reply.

Hsiao V, Fernandes-Taylor S, Francis DO.
JAMA Surg. 2023 Apr 12. Epub ahead of print.
[PubMed ID: [37043230](#)]

Effects of compound betamethasone on vocal fold wound healing in rabbit model: A preliminary study.

Yu P, Xue C, Kiehn S, Fang R, Jiang JJ.
Laryngoscope Investig Otolaryngol. 2023 Feb 15;8(2):488-494.

[PubMed ID: [37090878](#)]

International consensus statement on allergy and rhinology: Allergic rhinitis - 2023.

Wise SK, Damask C, Roland LT, Ebert C, Levy JM, Lin S, et al.
Int Forum Allergy Rhinol. 2023 Apr;13(4):293-859. Epub 2023 Mar 6.
[PubMed ID: [36878860](#)]

Management of subglottic cancer.

Mann H, Seligman K, Colwell N, Burr A, Glazer TA.
Otolaryngol Clin North Am. 2023 Apr;56(2):305-312.
[PubMed ID: [37030943](#)]

Office-based photodynamic therapy using locally applied 5-aminolevulinic acid and 635 nm laser for laryngeal leukoplakia.

Zhang C, Zhong J, Jiang JJ, Hou Q, Ren H, Silverman M, Li G.
Otolaryngol Head Neck Surg. 2023 Apr;168(4):805-813. Epub 2023 Jan 19.
[PubMed ID: [36939544](#)]

Videostroboscopy versus high-speed videoendoscopy: Factors influencing ratings of laryngeal oscillation.

Fujiki RB, Croegaert-Koch CK, Thibeault SL.
J Speech Lang Hear Res. 2023 May 9;66(5):1496-1510. Epub 2023 Apr 11.
[PubMed ID: [37040690](#)]

Voice outcomes following serial office-based steroid injections and voice therapy for vocal fold scar.

Kruse CM, Hoffman MR, Hennessy BN, Schoeff SS, Dailey SH.
J Voice. 2023 Apr 17:S0892-1997(23)00093-0. Epub ahead of print.
[PubMed ID: [37076383](#)]

Voice therapy improves acoustic and auditory-perceptual outcomes in children.

Fujiki RB, Braden M, Thibeault SL.
Laryngoscope. 2023 Apr;133(4):977-983. Epub 2022 Jun 26.
[PubMed ID: [35754165](#)]

PEDIATRIC SURGERY

Use and accuracy of intraoperative frozen section analysis for ovarian masses in children and adolescents.

Gil LA, Lutz CM, Dillon PA, Downard CD, Ehrlich PF, Fallat ME, Fraser JD, Grabowski JE, Helmrath MA, Hertweck SP, Hirschl RB, Kabre R, Lal DR, Landman MP, Lawrence AE, Leys CM, Mak GZ, Markel TA, Raiji MT, Rymeski B, Saito JM, Sato TT, St Peter SD, Stafford LMC, Deans KJ, Minneci PC, Hewitt GD, Aldrink JH; Midwest Pediatric Surgery Consortium.
J Pediatr Adolesc Gynecol. 2023 Apr;36(2):155-159. Epub 2022 Oct 7.
[PubMed ID: [36209999](#)]

PLASTIC SURGERY

Beyond the green: Operating room initiatives in sustainability for enhanced surgical resident education.

Zhang R, Gast K.

Plast Reconstr Surg. 2023 Apr 1;151(4):701e. Epub 2022 Dec 13.

[PubMed ID: [36729729](#)]

Blue-blood pig thorax model increases residents' confidence in internal mammary dissection.

Gunderson KA, Zeng W, Nkana ZH, Matabele Wood KL, Lyon SM, Albano NJ, Poore SO.

J Reconstr Microsurg. 2023 Apr 26. Epub ahead of print.

[PubMed ID: [36931312](#)]

Evaluation of a full-time microsurgeon educator on resident training, research collaboration, and grant funding.

Donnelly DT, Nicksic PJ, Zeng W, Dingle AM, Poore SO.

J Reconstr Microsurg. 2023 Apr 11. Epub ahead of print.

[PubMed ID: [37040796](#)]

Five hazardous attitudes in the operating room: The role of aviation culture and learning to fly safe.

Garbuzov AE, Shaffrey EC, Poore SO.

Plast Reconstr Surg. 2023 Apr 1;151(4):703e-704e. Epub 2022 Dec 13.

[PubMed ID: [36729741](#)]

Invited discussion on: "The partner perspective on autologous and implant-based breast reconstruction".

Afifi AM, Smith RM.

Aesthetic Plast Surg. 2023 Apr 25. Epub ahead of print.

[PubMed ID: [37097453](#)]

Knitting: A simple and effective intervention for surgeon wellbeing.

Zhang RS, Gast KM.

Am J Surg. 2023 Apr 27:S0002-9610(23)00181-2. Epub ahead of print.

[PubMed ID: [37150722](#)]

Latex-infused porcine abdominal model: A novel microsurgery simulator for deep inferior epigastric perforator dissection.

Shaffrey EC, Zeng W, Nicksic PJ, Eftekari SC, Frank JM, Dingle AM, Poore SO.

J Reconstr Microsurg. 2023 Apr 6. Epub ahead of print.

[PubMed ID: [37023768](#)]

Objective residency applicant assessment using a linear rank model.

Shaffrey EC, Moura SP, Wirth PJ, Attaluri PK, Schappe A, Edalatpour A, Bentz ML, Rao VK.

J Surg Educ. 2023 Jun;80(6):776-785. Epub 2023 Apr 1.

[PubMed ID: [37012141](#)]

Surprise billing legislation: Context and significance for plastic and reconstructive surgeons.

Seitz AJ, Nicksic PJ, Rao VK.

Plast Reconstr Surg. 2023 Apr 1;151(4):705e-706e. Epub 2022 Dec 13.

[PubMed ID: [36729735](#)]

Vagus nerve stimulation in the non-human primate: Implantation methodology, characterization of nerve anatomy, target engagement and experimental applications.

Suminski AJ, Rajala AZ, Birn RM, Mueller EM, Malone ME, Ness JP, Filla C, Brunner K, McMillan AB, Poore SO, Williams JC, Murali D, Brzezczkowski A, Hurley SA, Dingle AM, Zeng W, Lake WB, Ludwig KA, Populin LC.

Bioelectron Med. 2023 Apr 28;9(1):9.

[PubMed ID: [37118841](#)]

SURGICAL ONCOLOGY

Accuracy of models to prognosticate survival after surgery for pancreatic cancer in the era of neoadjuvant therapy.

Marcinak CT, Parker WF, Parikh AA, Datta J, Maithel SK, Kooby DA, Burkard ME, Kim HJ, LeCompte MT, Afshar M, Churpek MM, Zafar SN.

J Surg Oncol. 2023 Apr 19. Epub ahead of print.

[PubMed ID: [37073788](#)]

Calcifications and cystic morphology on preoperative imaging predict survival after resection of pancreatic neuroendocrine tumors.

Makris EA, Cannon JGD, Norton JA, Lopez-Aguilar AG, Dillhoff M, Beal E, Idrees K, Smith PM, Rocha FG, Kanji Z, Cho C, Beems M, Weber S, Fisher A, Krasnick BA, Fields RC, Maithel SK, Poultides GA. Ann Surg Oncol. 2023 Apr;30(4):2424-2430. Epub 2022 Nov 25.

[PubMed ID: [36434481](#)]

Implementation of entrustable professional activities into fellowship council accredited programs: A pilot project.

Hanson MN, Pryor AD, Jeyarajah DR, Minter RM, Mattar SG, Scott DJ, Brunt LM, Cummings M, Vassiliou M, Feldman LS; FC EPA Pilot Working Group.

Surg Endosc. 2023 Apr;37(4):3191-3200. Epub 2022 Aug 16.

[PubMed ID: [35974253](#)]

Pdx1 expression in hematopoietic cells activates *Kras*-mutation to drive leukemia in KC (*Pdx1-Cre; LSL-KrasG12D/+*) mice.

Walcheck MT, Nukaya M, Ranheim EA, Matkowskyj KA, Ronnekleiv-Kelly S.

Leuk Lymphoma. 2023 Apr 20:1-11. Epub ahead of print.

[PubMed ID: [37081806](#)]

Ultrasensitive circulating tumor DNA pilot study distinguishes complete response and partial response with immunotherapy in patients with metastatic renal cell carcinoma.

Chehrizi-Raffle A, Muddasani R, Dizman N, Hsu J, Meza L, Zengin ZB, Malhotra J, Chawla N, Dorff T, Contente-Cuomo T, Dinwiddie D, McDonald BR, McDaniel T, Trent JM, Baehner FL, Murtaza M, Pal SK.

JCO Precis Oncol. 2023 Apr;7:e2200543.

[PubMed ID: [37027813](#)]

TRANSPLANTATION

An initial analysis of the baseline levels of Dd-cfDNA after pancreas transplantation: A prospective study from high-volume centers in the United States.

Yoo A, Riedel A, Qian I, Bartosic A, Soltani R, Kibria G, Haririan A, Drachenberg CB, Abrams PL, Odorico JS, Cooper M, Bromberg JS, Scalea JR.

Transplant Direct. 2023 Mar 15;9(4):e1459.

[PubMed ID: [36935870](#)]

Higher fasting pretransplant C-peptide levels in type 2 diabetics undergoing simultaneous pancreas-kidney transplantation are associated with posttransplant pancreatic graft dysfunction.

Parajuli S, Mandelbrot D, Aufhauser D, Kaufman D, Odorico J.
Transplantation. 2023 Apr 1;107(4):e109-e121. Epub 2023 Jan 5.
[PubMed ID: [36706060](#)]

Simultaneous thoracic and abdominal donation after circulatory death organ recovery: The abdominal surgeon's perspective.

Thiessen C, Wisel SA, Roll GR.
Curr Opin Organ Transplant. 2023 Apr 1;28(2):139-144. Epub 2023 Jan 3.
[PubMed ID: [36603197](#)]

The ethics of donation after circulatory death organ recovery: An overview of new considerations arising from procurement practice and policy changes.

Thiessen C, Gordon EJ, Kelly B, Wall A.
Curr Opin Organ Transplant. 2023 Apr 1;28(2):133-138. Epub 2022 Dec 27.
[PubMed ID: [36580376](#)]

The unfinished journey toward transplant equity: An analysis of racial/ethnic disparities for children after the implementation of the Kidney Allocation System in 2014.

Charnaya O, Zeiser L, Yisar D, Goldberg A, Segev DL, Massie A, Garonzik-Wang J, Verghese P.
Pediatr Nephrol. 2023 Apr;38(4):1275-1289. Epub 2022 Jul 11.
[PubMed ID: [35816202](#)]

What is hot and new in basic and translational science in liver transplantation in 2022? Report of the Basic and Translational Research Committee of the International Liver Transplantation Society.

Bhat M, Dondossola D, Varghese R, Czigany Z, Emamaullee J, Ghinolfi D, Al-Adra D, Bonaccorsi-Riani E, Pang L, Boteon YL, Brüggewirth I, Pavan-Guimaraes J, Ho CM, Yuksel M, Zarrinpar A, Abdelrahim M, Barbas AS, Mas V, Selzner M, Martins PN.
Transplantation. 2023 Apr 1;107(4):808-814. Epub 2022 Dec 23.
[PubMed ID: [36550624](#)]

VASCULAR SURGERY

Effect of preservation of antegrade hypogastric flow on development of claudication following aortoiliac aneurysm repair.

Bennett KM, Hurley L, Kyriakides TC, Yi JA, Freischlag JA, Matsumura JS; OVER Investigator Group.
J Vasc Surg. 2023 Apr;77(4):1070-1076. Epub 2022 Dec 22.
[PubMed ID: [36565778](#)]

Evaluating the role of major lower extremity amputation in nonagenarians.

Zaza SI, Rectenwald JE, Bennett KM.
Ann Vasc Surg. 2023 Apr 15:S0890-5096(23)00220-0. Epub ahead of print.
[PubMed ID: [37068626](#)]

Identifying patterns in preoperative communication about high-risk surgical intervention: A secondary analysis of a randomized clinical trial.

Stalter LN, Baggett ND, Hanlon BM, Buffington A, Kalbfell EL, Zelenski AB, Arnold RM, Clapp JT, Schwarze ML.
Med Decis Making. 2023 May;43(4):487-497. Epub 2023 Apr 10.

[PubMed ID: [37036062](#)]

Predicting the safety and effectiveness of inferior vena cava filters (PRESERVE): Outcomes at 12 months.

Johnson MS, Spies JB, Scott KT, Kato BS, Mu X, Rectenwald JE, White RA, Lewandowski RJ, Khaja MS, Zuckerman DA, Casciani T, Gillespie DL.

J Vasc Interv Radiol. 2023 Apr;34(4):517-528.e6. Epub 2023 Feb 23.

[PubMed ID: [36841633](#)]

Reengaging patients with forgotten filters through an institutional multidisciplinary approach.

Swietlik JF, Rose AE, Meram E, Schwartz BS, Matsumura JS, Laeseke PF.

J Vasc Surg Venous Lymphat Disord. 2023 Apr 27:S2213-333X(23)00157-9. Epub ahead of print.

[PubMed ID: [37120039](#)]

Unpacking the complexities of a silent killer.

Yamanouchi D.

Int J Mol Sci. 2023 Apr 12;24(8):7125.

[PubMed ID: [37108288](#)]
