



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

JULY 2022 PUBLICATIONS

Congratulations to all department members whose research was published in July 2022! The following list is organized by division within the Department of Surgery.

CROSS-DIVISION COLLABORATIONS

A statewide approach to reducing re-excision rates for women with breast conserving surgery.

Schumacher JR, Lawson EH, Kong AL, Weber JJ, May J, Landercasper J, Hanlon B, Marka N, Venkatesh M, Cartmill RS, Pavuluri Quamme S, Nikolay C, Greenberg CC.

Ann Surg. 2022 Jul 15. Online ahead of print

[PubMed ID: [35837946](#)]

Enhancing surgical teaching effectiveness: A needs assessment study using a modified Delphi process.

Colevas SM, Abramson GED, Jung SA, Elfenbein DM.

J Surg Res. 2022 Jul 31;279:557-566.

[PubMed ID: [35921722](#)]

Promoting patient engagement during care transitions after surgery using mobile technology: Lessons learned from the MobiMD pilot study.

Diehl TM, Barrett JR, Van Doorn R, Cherney Stafford LM, Hanlon BM, Weber SM, Voils CI, Abbott DE. Surgery. 2022 Jul;172(1):219-225.

[PubMed ID: [35086727](#)]

ACUTE CARE AND REGIONAL GENERAL SURGERY

EQIP's first year: A step closer to higher quality in surgical education.

Joshi ART, Nfonsam V, Relles DM, Murphy S, Ciolkosz J, Fise T, Klingensmith ME, Hickey M, Brunsvold ME, Korndorffer JR Jr, Jarman BT, Smink DS, Terhune K, Kmiec K, Harrington DT; EQIP consortium (inc. O'Rourke A).

J Surg Educ. 2022 Jul 13:S1931-7204(22)00140-4. Epub ahead of print.

[PubMed ID: [35842405](#)]

Pooled safety analysis of STRATA2011 and STRATA2016 clinical trials evaluating the use of StrataGraft® in patients with deep partial-thickness thermal burns.

Holmes Iv JH, Cancio LC, Carter JE, Faucher LD, Foster K, Hahn HD, King BT, Rutan R, Smiell JM, Wu R, Gibson ALF.

Burns. 2022 Jul 28:S0305-4179(22)00196-6. Epub ahead of print.

[PubMed ID: [35941023](#)]

CARDIOTHORACIC SURGERY

Direct innominate artery access for transcatheter aortic valve replacement.

de Biasi AR, Raval A, Tester G, Osaki S.
J Surg Case Rep. 2022 Jul 31;2022(7):rjac330.
[PubMed ID PMID: [35919691](#)]

Is porcine small intestinal submucosal extracellular matrix (ECM) a suitable material for right ventricular outflow tract reconstruction in association with pulmonary valve replacement?

Burke CR, Lewis E, Schreiter NA, Bartlett H, Krieger EV, Anagnostopoulos PV, Verrier ED, Hermsen JL.
World J Pediatr Congenit Heart Surg. 2022 Jul;13(4):518-521.
[PubMed ID: [34985359](#)]

Successful lung transplantation for severe post-COVID-19 pulmonary fibrosis.

Hall DJ, Schulte JJ, Lewis EE, Bommarreddi SR, Rohrer CT, Sultan S, Maloney JD, DeCamp MM, McCarthy DP.
Ann Thorac Surg. 2022 Jul;114(1):e17-e19.
[PubMed ID: [34748736](#)]

COLORECTAL SURGERY

Efficacy of topically administered dihydroartemisinin in treating papillomavirus-induced anogenital dysplasia in preclinical mouse models.

Gunder LC, Blaine-Sauer S, Johnson HR, Shin MK, Auyeung AS, Zhang W, Levenson GE, Ward-Shaw ET, King RE, McGregor SM, Matkowskyj KA, Lambert PF, Carchman EH.
Viruses. 2022 Jul 26;14(8):1632.
[PubMed ID: [35893697](#)]

EDUCATION

To page or not to page? A qualitative study of communication practices of general surgery residents and nurses.

Krecko LK, Pavuluri Quamme SR, Carnahan S, Steege LM, Tipple S, Bavery L, Greenberg CC, Jung S.
Surgery. 2022 Jul 20:S0039-6060(22)00419-6. Epub ahead of print.
[PubMed ID: [35871106](#)]

ENDOCRINE SURGERY

Optimized replacement T4 and T4+T3 dosing in male and female hypothyroid patients with different BMIs using a personalized mechanistic model of thyroid hormone regulation dynamics.

Cruz-Loya M, Chu BB, Jonklaas J, Schneider DF, DiStefano J 3rd.

Front Endocrinol (Lausanne). 2022 Jul 14;13:888429.
[PubMed ID: [35909562](#)]

Surgery acting internship individual learning plans: Fostering mentorship in the COVID-19 era.
L'Huillier JC, Larson SL, Awe AM, Cook DS, Effenbein DM.
J Surg Educ. 2022 Jul-Aug;79(4):918-927.
[PubMed ID: [35337762](#)]

MINIMALLY INVASIVE SURGERY

Impact of COVID-19 on the post-operative bariatric surgery patient experience.
Murtha JA, Alagoz E, Breuer CR, Eierman L, Jawara D, Farrar-Edwards D, Voils CI, Funk LM.
Ann Surg. 2022 Jul 6. doi: 10.1097/SLA.0000000000005446. Epub ahead of print.
[PubMed ID: [35794783](#)]

Individual-level barriers to bariatric surgery from patient and provider perspectives: A qualitative study.
Murtha JA, Alagoz E, Breuer CR, Finn A, Raffa SD, Voils CI, Funk LM.
Am J Surg. 2022 Jul;224(1 Pt B):429-436.
[PubMed ID: [34963509](#)]

Obesity and "obesity-related" cancers: are there body mass index cut-points?
Murtha JA, Liu N, Birstler J, Hanlon BM, Venkatesh M, Hanrahan LP, Borza T, Kushner DM, Funk LM.
Int J Obes (Lond). 2022 Jul 11. doi: 10.1038/s41366-022-01178-0. Epub ahead of print.
[PubMed ID: [35817851](#)]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

Assays of tongue force, timing, and dynamics in rat and mouse models.
Rudisch DM, Krasko MN, Nisbet AF, Schaen-Heacock NE, Ciucci MR.
Brain Res Bull. 2022 Jul;185:49-55.
[PubMed ID: [35469932](#)]

Do the nonlinear dynamic acoustic measurements, nonlinear energy difference ratio and spectrum convergence ratio, correlate with perceptual evaluation of esophageal voice speakers?
Zhang F, Nguyen DD, Madill C, Zhang Y, Kiehn S, Sun J, Haderlein N, Haines S, Klein L, Li C, Jiang JJ.
J Voice. 2022 Jul 8:S0892-1997(22)00159-X. Epub ahead of print.
[PubMed ID: [35817624](#)]

Dysphagia profiles among inpatients with dementia referred for swallow evaluation.
Wang S, Gustafson S, Deckelman C, Sampene E, Daggett S, Loosen J, Robison R, Pulia MS, Knigge M, Thibeault S, Gilmore-Bykovskyi A, Kind A, Rogus-Pulia N.
J Alzheimers Dis. 2022 Jul 20. doi: 10.3233/JAD-220402. Epub ahead of print.
[PubMed ID: [35871347](#)]

Factors impacting therapy duration in children and adolescents with paradoxical vocal fold movement (PVFM).
Fujiki RB, Fujiki AE, Thibeault S.

Int J Pediatr Otorhinolaryngol. 2022 Jul;158:111182.
[PubMed ID: [35594796](#)]

Iatrogenic vocal fold paralysis: A population-based cohort study in Taiwan.

Lai YT, Chao PZ, Chang YK, Yen YC, Shen YT, Yu TY, Dailey S, Wang YH.
Ann Otol Rhinol Laryngol. 2022 Jul;131(7):767-774.
[PubMed ID: [34470521](#)]

On-tissue amidation of sialic acid with aniline for sensitive imaging of sialylated N-glycans from FFPE tissue sections via MALDI mass spectrometry.

Zhang H, Shi X, Liu Y, Wang B, Xu M, Welham NV, Li L.
Anal Bioanal Chem. 2022 Jul;414(18):5263-5274.
[PubMed ID: [35072748](#)]

Patient-reported qualitative analysis of chronic refractory cough.

Wright ML, Fujiki RB, Lunga T, Thibeault SL.
Am J Speech Lang Pathol. 2022 Jul 12;31(4):1719-1725.
[PubMed ID: [35512298](#)]

Quantification of very late xerostomia in head and neck cancer patients after irradiation.

Blitzer GC, Rogus-Pulia NM, Paz C, Nickel KP, Cannaday VL, Kelm-Nelson CA, Sudakaran S, Chappell RJ, Glazer T, Kimple RJ.
Laryngoscope Investig Otolaryngol. 2022 Jul 12;7(4):1018-1024.
[PubMed ID: [36000048](#)]

Transcriptome dynamics in the developing larynx, trachea, and esophagus.

Wendt KD, Brown J, Lungova V, Mohad V, Kendzioriski C, Thibeault SL.
Front Cell Dev Biol. 2022 Jul 22;10:942622.
[PubMed ID: [35938172](#)]

PEDIATRIC SURGERY

Histologic type predicts disparate outcomes in pediatric hepatocellular neoplasms: A Pediatric Surgical Oncology Research Collaborative study.

Short SS, Kastenbergs ZJ, Wei G, Bondoc A, Dasgupta R, Tiao GM, Watters E, Heaton TE, Lotakis D, La Quaglia MP, Murphy AJ, Davidoff AM, Mansfield SA, Langham MR, Lautz TB, Superina RA, Ott KC, Malek MM, Morgan KM, Kim ES, Zamora A, Lascano D, Roach J, Murphy JT, Rothstein DH, Vasudevan SA, Whitlock R, Lal DR, Hallis B, Bütter A, Baertschiger RM, Lapidus-Krol E, Putra J, Tracy ER, Aldrink JH, Apfeld J, Le HD, Park KY, Rich BS, Glick RD, Fialkowski EA, Utria AF, Meyers RL, Riehle KJ.
Cancer. 2022 Jul 15;128(14):2786-2795.
[PubMed ID: [35561331](#)]

The COVID-19 pandemic and associated rise in pediatric firearm injuries: A multi-institutional study.

Collings AT, Farazi M, Van Arendonk KJ, Fallat ME, Minneci PC, Sato TT, Speck KE, Deans KJ, Falcone RA Jr, Foley DS, Fraser JD, Gadepalli SK, Keller MS, Kotagal M, Landman MP, Leys CM, Markel TA, Rubalcava N, St Peter SD, Flynn-O'Brien KT; Midwest Pediatric Surgery Consortium.
J Pediatr Surg. 2022 Jul;57(7):1370-1376.
[PubMed ID: [35501165](#)]

PLASTIC SURGERY

Commentary on: Quality and vitality of autologous fat grafts harvested via different techniques: A clinical comparison study.

Larson JD.

Aesthet Surg J. 2022 Jul 27:sjac197. Epub ahead of print.

[PubMed ID: [35882528](#)]

The No Surprises Act: What do plastic surgeons need to know?

Seitz AJ, Nicksic PJ, Rao VK.

Plast Reconstr Surg Glob Open. 2022 Jul 7;10(7):e4406.

[PubMed ID: [35813108](#)]

To decline or accept: A guide for determining the legitimacy of academic conference invitations.

Warden AM, Soteropoulos CE, Eftekari SC, Nicksic PJ, Dingle AM, Poore SO.

Ann Plast Surg. 2022 Jul 1;89(1):8-16.

[PubMed ID: [35502938](#)]

Women in leadership and their influence on the gender diversity of academic plastic surgery programs.

Garbuzov A, Babchenko O, Poore SO.

Plast Reconstr Surg. 2022 Jul 1;150(1):237e.

[PubMed ID: [35608850](#)]

SURGICAL ONCOLOGY

Treatment inequity: Examining the influence of non-Hispanic Black race and ethnicity on pancreatic cancer care and survival in Wisconsin.

Schiefelbein AM, Krebsbach JK, Taylor AK, Zhang J, Haimson CE, Trentham-Dietz A, Skala MC, Eason JM, Weber SM, Varley PR, Zafar SN, LoConte NK.

WMJ. 2022 Jul;121(2):77-93.

[PubMed ID: [35857681](#)]

TRANSPLANTATION

Antibody response to a fourth dose of SARS-CoV-2 vaccine in solid organ transplant recipients: An update.

Mitchell J, Alejo JL, Chiang TPY, Kim J, Chang A, Abedon AT, Avery RK, Tobian AAR, Massie AB, Levan ML, Warren DS, Garonzik-Wang JM, Segev DL, Werbel WA.

Transplantation. 2022 Jul 1;106(7):e338-e340.

[PubMed ID: [35426888](#)]

Challenges encountered in conducting donor-based research: Lessons learned from the Donor Heart Study.

Khush KK, Luikart H, Neidlinger N, Salehi A, Nguyen J, Geraghty PJ, Belcher J, Nicely B, Jendrisak M, Pearson T, Wood RP, Groat T, Wayda B, Zaroff JG, Malinoski D.

Am J Transplant. 2022 Jul;22(7):1760-1765.

[PubMed ID: [35373509](#)]

Comparing preservation solutions for static cold storage in donation after circulatory death liver transplantation.

Foley DP.

Liver Transpl. 2022 Sep;28(9):1423-1424. Epub 2022 Jul 4.

[PubMed ID: [35706126](#)]

CRISPR screening uncovers a central requirement for HHEX in pancreatic lineage commitment and plasticity restriction.

Yang D, Cho H, Tayyebi Z, Shukla A, Luo R, Dixon G, Ursu V, Stransky S, Tremmel DM, Sackett SD, Koche R, Kaplan SJ, Li QV, Park J, Zhu Z, Rosen BP, Pulecio J, Shi ZD, Bram Y, Schwartz RE, Odorico JS, Sidoli S, Wright CV, Leslie CS, Huangfu D.

Nat Cell Biol. 2022 Jul;24(7):1064-1076.

[PubMed ID: [35787684](#)]

Immunogenicity of Ad26.COV2.S prime and two subsequent doses of mRNA SARS-CoV-2 vaccines in solid organ transplant recipients: A case series.

Chang A, Mitchell J, Alejo JL, Chiang TPY, Abedon AT, Kim JD, Avery RK, Tobian AAR, Levan ML, Warren DS, Garonzik-Wang JM, Massie AB, Segev DL, Werbel WA.

Clin Transplant. 2022 Jul 13:e14772. Epub ahead of print.

[PubMed ID: [35822545](#)]

International survey of clinical monitoring practices in pancreas and islet transplantation.

Ward C, Odorico JS, Rickels MR, Berney T, Burke GW 3rd, Kay TWH, Thauinat O, Uva PD, de Koning EJP, Arbogast H, Scholz H, Cattral MS, Stratta RJ, Stock PG; for the International Pancreas and Islet Transplant Association Beta-Cell Replacement Therapy Monitoring Task Force.

Transplantation. 2022 Aug 1;106(8):1647-1655. Epub 2022 Jul 22.

[PubMed ID: [35019897](#)]

Letter to the editor: Six-month antibody kinetics and durability in liver transplant recipients after two doses of SARS-CoV-2 mRNA vaccination.

Chang A, Strauss AT, Alejo JL, Chiang TP, Hernandez NF, Zeiser LB, Boyarsky BJ, Avery RK, Tobian AAR, Levan ML, Warren DS, Garonzik-Wang JM, Massie AB, Werbel WA, Segev DL.

Hepatol Commun. 2022 Jul 5:10.1002/hep4.2027. Epub ahead of print.

[PubMed ID: [35791054](#)]

Liver transplantation as a new standard of care in patients with perihilar cholangiocarcinoma? Results from an international benchmark study.

Breuer E, Mueller M, Doyle MB, Yang L, Darwish Murad S, Anwar IJ, Merani S, Limkemann A, Jeddou H, Kim SC, López-López V, Nassar A, Hoogwater FJH, Vibert E, De Oliveira ML, Cherqui D, Porte RJ, Magliocca JF, Fischer L, Fondevila C, Zieniewicz K, Ramírez P, Foley DP, Boudjema K, Schenk AD, Langnas AN, Knechtle S, Polak WG, Taner CB, Chapman WC, Rosen CB, Gores GJ, Dutkowski P, Heimbach JK, Clavien PA.

Ann Surg. 2022 Jul 27. Epub ahead of print.

[PubMed ID: [35894433](#)]

Patient perspectives on the use of frailty, cognitive function, and age in kidney transplant evaluation.

Shrestha P, Van Pilsum Rasmussen SE, Fazal M, Chu NM, Garonzik-Wang JM, Gordon EJ, McAdams-DeMarco M, Humbyrd CJ.

AJOB Empir Bioeth. 2022 Jul 8:1-12.

[PubMed ID: [35802563](#)]

Predicting a positive antibody response after 2 SARS-CoV-2 mRNA vaccines in transplant recipients: A machine learning approach with external validation.

Alejo JL, Mitchell J, Chiang TP, Chang A, Abedon AT, Werbel WA, Boyarsky BJ, Zeiser LB, Avery RK, Tobian AAR, Levan ML, Warren DS, Massie AB, Moore LW, Guha A, Huang HJ, Knight RJ, Gaber AO, Ghobrial RM, Garonzik-Wang JM, Segev DL, Bae S.
Transplantation. 2022 Jul 21. Epub ahead of print.
[PubMed ID: [35859275](#)]

Risk factors for high level cytomegalovirus viremia in liver transplant recipients and associated outcomes.

Kleiboeker HL, Jorgenson MR, Levenson GE, Rice JP, Saddler CM, Smith JA, Al-Adra D.
Transpl Infect Dis. 2022 Aug;24(4):e13898. Epub 2022 Jul 13.
[PubMed ID: [35780512](#)]

Single-cell RNA sequencing distinguishes dendritic cell subsets in the rat, allowing advanced characterization of the effects of FMS-like tyrosine kinase 3 ligand.

Carlson KN, Verhagen JC, Jennings H, Verhoven B, McMorrow S, Pavan-Guimaraes J, Chlebeck P, Al-Adra DP.
Scand J Immunol. 2022 Jul;96(1):e13159.
[PubMed ID: [35285040](#)]

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. 2022 Jul 11. Epub ahead of print.
[PubMed ID: [35816202](#)]

VASCULAR SURGERY

Decolonizing global surgery: Bethune Round Table, 2022 Conference on Global Surgery (virtual), June 16-18, 2022.

Botelho F, Gripp K, Yanchar N, Naus A, Poenaru D, ... Tefera G, ... Shearer DW.
Can J Surg. 2022 Aug 12;65(4 Suppl 1):S1-S18. Print 2022 Jul-Aug.
[PubMed ID: [35961679](#)]

Five-year outcomes from a prospective, multicenter study of endovascular repair of iliac artery aneurysms using an iliac branch device.

Schneider DB, Matsumura JS, Lee JT, Peterson BG, Chaer RA, Oderich GS.
J Vasc Surg. 2022 Jul 13:S0741-5214(22)01844-4. Epub ahead of print.
[PubMed ID: [35842202](#)]

The association between factors promoting nonbeneficial surgery and moral distress: A national survey of surgeons.

Zimmermann CJ, Taylor LJ, Tucholka JL, Buffington A, Brasel K, Arnold R, Cooper Z, Schwarze ML.
Ann Surg. 2022 Jul 1;276(1):94-100.
[PubMed ID: [33214444](#)]

Top ten tips palliative care clinicians should know about solid organ transplantation.

Murakami N, Baggett ND, Schwarze ML, Ladin K, Courtwright AM, Goldberg HJ, Nolley EP, Jain N, Landzberg M, Wentlandt K, Lai JC, Shinall MC, Ufere NN, Jones CA, Lakin JR.
J Palliat Med. 2022 Jul;25(7):1136-1142.
[PubMed ID: [35275707](#)]
