



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

SEPTEMBER 2022 PUBLICATIONS

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

CROSS-DIVISION COLLABORATIONS

Evaluation of a standardized protocol for medical management of uncomplicated acute type B aortic dissection.

Aziz A, O'Donnell H, Harris DG, Jung HS, DiMusto P.

J Vasc Surg. 2022 Sep;76(3):639-644.e2. Epub 2022 May 10.

[PubMed ID: [35550395](#)]

Impact of care coordination on the content of communication between surgeons and patients with rectal cancer.

Lawson EH, Sommovilla J, Buffington A, Zelenski A, Schwarze ML.

Ann Surg Open. 2022 Jul 22;3(3):e177.

[PubMed ID: [36199484](#)]

The relative importance of treatment outcomes to surgeons' recommendations for low-risk thyroid cancer.

Chiu AS, Saucke MC, Bushaw K, Voils CI, Sydnor J, Haymart M, Pitt SC.

Surgery. 2022 Sep 28:S0039-6060(22)00320-8. Epub ahead of print.

[PubMed ID: [36182602](#)]

ACUTE CARE AND REGIONAL GENERAL SURGERY

EAST evidence-based statement on "Stand Your Ground" laws.

Kaufman EJ, Zakrison TL, Hoofnagle MH, Tatebe LC, Rattan R, Murphy PB, Smith RN, Joseph DK, Yeh DD, Haut ER, Como JJ, Christmas AB, Claridge JA, Stein DM, Jung HS.

J Trauma Acute Care Surg. 2022 Sep 1;93(3):e123-e124. Epub 2022 Jun 10.

[PubMed ID: [35687805](#)]

Growing the next generation of trauma surgeon-scientists: Reflections on 20 years of research investment.

Callcut RA, Dixon R, Smith JW, Zarzaur B; EAST Research-Scholarship Committee.

J Trauma Acute Care Surg. 2022 Sep 1;93(3):340-346. Epub 2022 Jun 1.

[PubMed ID: [35653510](#)]

National blood shortage: A call to action from the trauma community.

Stein DM, Upperman JS, Livingston DH, Andrews J, Bulger EM, Cohen MJ, Eastridge BJ, Fontaine MJ, Guillamondegui O, Hess JR, Jenkins DH, Kaups KL, Nance ML, Spinella PC, Zarzaur BL, Zonies D, Coimbra R.

J Trauma Acute Care Surg. 2022 Sep 1;93(3):e119-e122. Epub 2022 May 25.

[PubMed ID: [35610747](#)]

Revealing hidden experiences: Gendered microaggressions and surgical faculty burnout.

Lund S, D'Angelo JD, Jogerst K, Warner SG, Busch R, D'Angelo AD.

Surgery. 2022 Sep;172(3):885-889. Epub 2022 May 25.

[PubMed ID: [35643829](#)]

CARDIOTHORACIC SURGERY

Aortic arch replacement and autologous pericardial tracheal patch for an aorto-tracheal fistula.

Musgrove KA, McCarthy D, de Biasi AR.

J Card Surg. 2022 Sep 23. Epub ahead of print.

[PubMed: [36150146](#)]

COLORECTAL SURGERY

Surgeons' mental models of surgical site infection: Insights into adherence with complex prevention bundles.

Pop-Vicas AE, Young A, Knobloch MJ, Heise C, Bowers B, Safdar N.

Infect Control Hosp Epidemiol. 2022 Sep;43(9):1249-1255. Epub 2021 May 14.

[PubMed: [33985608](#)]

The use of a topical protease inhibitor, Saquinavir, to alleviate mouse papillomavirus-mediated anal disease.

Gunder LC, Johnson HR, Green HA, Bilger A, Moyer TH, Zhang W, Ziolkowski MR, Bertrang PA, Carchman EH.

Virology. 2022 Sep 29;576:96-104. Epub ahead of print.

[PubMed: [36206607](#)]

MINIMALLY INVASIVE SURGERY

A method to deliver automated and tailored intervention content: 24-month clinical trial.

Miller HN, Voils CI, Cronin KA, Jeanes E, Hawley J, Porter LS, Adler RR, Sharp W, Pabich S, Gavin KL, Lewis MA, Johnson HM, Yancy WS Jr, Gray KE, Shaw RJ.

JMIR Form Res. 2022 Sep 6;6(9):e38262.

[PubMed: [36066936](#)]

Educational time out: A fine line when it comes to Cognitive Load Theory.

Wong K, Shada A.

Am J Surg. 2022 Sep;224(3):849-850. Epub 2022 Jun 1.

[PubMed: [35667897](#)]

Recurrent dysphagia after myotomy for achalasia: pneumatic dilation or POEM? : Which modality offers superior outcomes?

Zimmermann C, Torell N, Lidor A, Funk L, Shada A.
Surg Endosc. 2022 Sep 19. Epub ahead of print.
[PubMed: [36121502](#)]

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. 2022 Sep 27:S0002-9610(22)00619-5. Epub ahead of print.
[PubMed: [36180301](#)]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

A unique presentation of multicentric myofibromatosis in the masseter muscle of a pediatric patient.

Padilla EP, Voelz K, Kille T.
Ear Nose Throat J. 2022 Sep 9:1455613221125933. Epub ahead of print.
[PubMed: [36085035](#)]

Optimizing Botox regimens in patients with adductor spasmodic dysphonia and essential tremor of voice: A 31-year experience.

Stone A, Powell ME, Hamers K, Fletcher KC, Francis DO, Courey MS, Nettekville JL, Garrett CG.
Laryngoscope Investig Otolaryngol. 2022 Sep 19;7(5):1499-1505.
[PubMed: [36262464](#)]

Predictors of prodromal Parkinson's disease in young adult *Pink1*^{-/-} rats.

Lechner SA, Welsch JM, Pahapill NK, Kaldenberg TAR, Regenbaum A, Kelm-Nelson CA.
Front Behav Neurosci. 2022 Sep 12;16:867958.
[PubMed: [36172466](#)]

Prevalence of subclinical papillary thyroid cancer by age: Meta-analysis of autopsy studies.

Arroyo N, Bell KJL, Hsiao V, Fernandes-Taylor S, Alagoz O, Zhang Y, Davies L, Francis DO.
J Clin Endocrinol Metab. 2022 Sep 28;107(10):2945-2952.
[PubMed: [35947867](#)]

Risk factors for dysphagia in patients hospitalized with COVID-19.

Holdiman A, Rogus-Pulia N, Pulia MS, Stalter L, Thibeault SL.
Dysphagia. 2022 Sep 15:1–10. Epub ahead of print.
[PubMed: [36109398](#)]

Sublingual immunotherapy persistence and adherence in real-world settings: A systematic review.

Park M, Kapoor S, Yi J, Hura N, Lin SY.
Int Forum Allergy Rhinol. 2022 Sep 9. Epub ahead of print.
[PubMed: [36083179](#)]

Systematic review of real-world persistence and adherence in subcutaneous allergen immunotherapy.

Park MJ, Kapoor S, Yi J, Hura N, Lin SY.
Int Forum Allergy Rhinol. 2022 Sep 9. Epub ahead of print.
[PubMed: [36083799](#)]

PLASTIC SURGERY

Discussion: Soft-tissue reconstruction in progressive hemifacial atrophy: Current evidence and future directions.

Lyon SM, Siebert JW.

Plast Reconstr Surg. 2022 Sep 1;150(3):620-621. Epub 2022 Aug 30.

[PubMed: [36040998](#)]

The effect of tension on gene expression in primary nerve repair via the epineural suture technique.

Wood KL, Adrianzen Fonseca MI, Gunderson KA, Nkana ZH, Dingle AM, Israel JS, Poore SO.

J Surg Res. 2022 Sep;277:211-223. Epub 2022 Apr 30.

[PubMed: [35504149](#)]

SURGICAL ONCOLOGY

Breast cancer risk reduction: who, why, and what?

Bozzuto LM.

Best Pract Res Clin Obstet Gynaecol. 2022 Sep;83:36-45. Epub 2021 Dec 8.

[PubMed: [34991977](#)]

How to perform an effective literature review.

Schwartz PB, Christensen L, Zafar SN.

Am J Surg. 2022 Sep;224(3):1019-1022. Epub 2022 May 3.

[PubMed: [35534295](#)]

Incidence of second primary melanoma in cutaneous melanoma survivors.

Wiener AA, Schumacher JR, Racz JM, Weber SM, Xu YG, Neuman HB.

Ann Surg Oncol. 2022 Sep;29(9):5925-5932. Epub 2022 May 3.

[PubMed ID: [35505144](#)]

Intraoperative pancreatic neck margin assessment during pancreaticoduodenectomy for pancreatic adenocarcinoma in the era of neoadjuvant therapy: A multi-institutional analysis from the Central Pancreatic Consortium.

Kelly KN, Macedo FI, Seaton M, Wilson G, Hammill C, Martin RC, Maduekwe UN, Kim HJ, Maithel SK, Abbott DE, Ahmad SA, Kooby DA, Merchant NB, Datta J.

Ann Surg Oncol. 2022 Sep;29(9):6004-6012. Epub 2022 May 5.

[PubMed: [35511392](#)]

Is cytoreductive surgery-hyperthermic intraperitoneal chemotherapy still indicated in patients with extraperitoneal disease?

Beal EW, Chen JC, Kim A, Johnston FM, Abbott DE, Raoof M, Grotz TE, Fournier K, Dineen S, Veerapong J, Clarke C, Staley C, Patel SH, Lambert L, Cloyd JM.

J Surg Res. 2022 Sep;277:269-278. Epub 2022 May 4.

[PubMed: [35525209](#)]

Oncologic outcomes of multi-institutional minimally invasive inguinal lymph node dissection for melanoma compared with open inguinal dissection in the Second Multicenter Selective Lymphadenectomy Trial (MSLT-II).

Jakub JW, Lowe M, Howard JH, Farma JM, Sarnaik A, Tuttle T, Neuman HB, Ariyan CE, Uppal A, Trocha S, Beasley GM, Wasif N, Bilimoria KY, Thomay AA, Allred JB, Chen L, Terando AM, Wayne JD, Thompson JF, Cochran AJ, Sim MS, Elashoff DE, Delman KA, Faries MB.

Ann Surg Oncol. 2022 Sep;29(9):5910-5920. Epub 2022 May 2.

[PubMed: [35499783](#)]

Surgery as a global health need.

Diehl TM, Soto E, Laryea JA, Zafar SN.

Clin Colon Rectal Surg. 2022 Sep 13;35(5):362-370.

[PubMed: [36111078](#)]

Surgical outcomes of gastro-entero-pancreatic neuroendocrine tumors G3 versus neuroendocrine carcinoma.

Li MX, Lopez-Aguilar AG, Poultides G, Rocha F, Weber S, Fields R, Idrees K, Cho C, Maithel SK, Zhang XF, Pawlik TM.

J Surg Oncol. 2022 Sep;126(4):689-697. Epub 2022 May 26.

[PubMed: [35616186](#)]

Therapeutic value of sentinel lymph node biopsy in patients with melanoma: A randomized clinical trial.

Multicenter Selective Lymphadenectomy Trials Study Group, Crystal JS, Thompson JF, Hynstrom J, Caracò C, Zager JS, Jahkola T, Bowles TL, Pennacchioli E, Beitsch PD, Hoekstra HJ, Moncrieff M, Ingvar C, van Akkooi A, Sabel MS, Levine EA, Agnese D, Henderson M, Dummer R, Neves RI, Rossi CR, Kane JM 3rd, Trocha S, Wright F, Byrd DR, Matter M, Hsueh EC, MacKenzie-Ross A, Kelley M, Terheyden P, Huston TL, Wayne JD, Neuman H, Smithers BM, Ariyan CE, Desai D, Gershenwald JE, Schneebaum S, Gesierich A, Jacobs LK, Lewis JM, McMasters KM, O'Donoghue C, van der Westhuizen A, Sardi A, Barth R, Barone R, McKinnon JG, Slingluff CL, Farma JM, Schultz E, Scheri RP, Vidal-Sicart S, Molina M, Testori AAE, Foshag LJ, Van Kreuningen L, Wang HJ, Sim MS, Scolyer RA, Elashoff DE, Cochran AJ, Faries MB.

JAMA Surg. 2022 Sep 1;157(9):835-842. Erratum in: JAMA Surg. 2022 Sep 1;157(9):859.

[PubMed: [35921122](#)]

TRANSPLANTATION

Analysis of individual components of frailty: Pre-transplant grip strength is the strongest predictor of post kidney transplant outcomes.

Parajuli S, Astor BC, Lorden HM, O'Toole KA, Wallschlaeger RE, Breyer IC, Dodin B, Aziz F, Garonzik-Wang J, Mandelbrot DA.

Clin Transplant. 2022 Sep 27:e14827. Epub ahead of print.

[PubMed: [36166355](#)]

Antibody response to a third dose of SARS-CoV-2 vaccine in heart and lung transplant recipients.

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

Clin Transplant. 2022 Sep 8:e14818. Epub ahead of print.

[PubMed: [36073912](#)]

Chronic active antibody-mediated rejection in kidney transplant recipients: Treatment response rates and value of early surveillance biopsies.

Aziz F, Parajuli S, Jorgenson M, Garg N, Manchala V, Yousif E, Mandelbrot D, Hidalgo L, Mohamed M, Zhong W, Djamali A.

Transplant Direct. 2022 Aug 4;8(9):e1360.

[PubMed: [35935024](#)]

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: [35706126](#)]

Heterologous Ad.26.COVID.S versus homologous BNT162b2/mRNA-1273 as a third dose in solid organ transplant recipients seronegative after two-dose mRNA vaccination.

Chiang TP, Alejo JL, Mitchell J, Kim JD, Abedon AT, Karaba AH, Thomas L, Levan ML, Garonzik-Wang JM, Avery RK, Pekosz A, Clarke WA, Warren DS, Tobian AAR, Massie AB, Segev DL, Werbel WA.

Am J Transplant. 2022 Sep;22(9):2254-2260. Epub 2022 May 3.

[PubMed: [35429211](#)]

Immunogenicity of Ad26.COVID.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 Sep;36(9):e14772. Epub 2022 Jul 19.

[PubMed: [35822545](#)]

Incidence and severity of COVID-19 Among vaccinated solid organ transplant recipients during the omicron wave.

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

Transplantation. 2022 Sep 1;106(9):e413-e415. Epub 2022 Jun 3.

[PubMed: [35655363](#)]

Microwave ablation as bridging to liver transplant for patients with hepatocellular carcinoma: A single-center retrospective analysis.

Couillard AB, Knott EA, Zlevor AM, Mezrich JD, Cristescu MM, Agarwal P, Ziemlewicz TJ, Longhurst C, Lubner MG, Hinshaw JL, Said A, Laeseke PF, Lucey MR, Rice JP, Foley D, Al-Adra D, Lee FT Jr.

J Vasc Interv Radiol. 2022 Sep;33(9):1045-1053. Epub 2022 Jun 3.

[PubMed: [35667580](#)]

PASC in solid organ transplant recipients with self-reported SARS-CoV-2 infection.

Alasfar S, Chiang TP, Snyder AJ, Ou MT, Boyarsky BJ, Abedon AT, Alejo JL, Cook S, Cochran W, Brigham E, Parker AM, Garonzik-Wang J, Massie AB, Brennan DC, Vannorsdall T, Segev DL, Avery RK.

Transplantation. 2022 Sep 19. Epub ahead of print.

[PubMed: [36117251](#)]

VASCULAR SURGERY

Induction of endoplasmic reticulum stress markers in an acromegaly model.

Elbially A, Sulidan K, Bhuiyan A, Igarashi Y, Yoshitake K, Yamanouchi D, Kang J, Asakawa S, Watabe S, Kinoshita S.
J Cell Biochem. 2022 Sep;123(9):1411-1421. Epub 2022 Jun 23.
[PubMed: [35734917](#)]

Necroptosis is associated with Rab27-independent expulsion of extracellular vesicles containing RIPK3 and MLKL.

Gupta K, Brown KA, Hsieh ML, Hoover BM, Wang J, Khoury MK, Pilli VSS, Beyer RSH, Voruganti NR, Chaudhary S, Roberts DS, Murphy RM, Hong S, Ge Y, Liu B.
J Extracell Vesicles. 2022 Sep;11(9):e12261.
[PubMed: [36063142](#)]

pH-responsive polyelectrolyte coatings that enable catheter-mediated transfer of DNA to the arterial wall in short and clinically relevant inflation times.

Yu Y, Appadoo V, Ren J, Hacker TA, Liu B, Lynn DM.
ACS Biomater Sci Eng. 2022 Oct 10;8(10):4377-4389. Epub 2022 Sep 19.
[PubMed: [36121432](#)]

Stimuli-responsive polymer coatings for the rapid and tunable contact transfer of plasmid DNA to soft surfaces.

Appadoo V, Carter MCD, Jennings J, Guo X, Liu B, Hacker TA, Lynn DM.
ACS Biomater Sci Eng. 2022 Oct 10;8(10):4390-4401. Epub 2022 Sep 21.
[PubMed: [36130280](#)]

Valsalva maneuvers during computed tomography (CT) can demonstrate seemingly worrisome but ultimately transient aortoiliac narrowing.

Huang A, Weiss V.
Radiol Case Rep. 2022 Jun 17;17(9):2927-2929.
[PubMed: [35755099](#)]
