



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

MAY 2022 PUBLICATIONS

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

CROSS-DIVISION COLLABORATIONS

Discovering domains important to health-related quality of life in differentiated thyroid cancer.

Hsiao V, Hanlon BM, Robbins SE, Connor NP, Macdonald CL, Sippel RS, Schneider DF.

Am J Surg. 2022 May 30:S0002-9610(22)00346-4. Epub ahead of print.

[PubMed ID: [35660082](#)]

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 May 10:S0741-5214(22)01498-7. Epub ahead of print.

[PubMed ID: [35550395](#)]

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 May 3. Epub ahead of print.

[PubMed ID: [35505144](#)]

Informed decision-making as a patient-centered initiative in surgical planning: In reply to Fink and colleagues.

Long KL, Ingraham AM, Pitt SC.

J Am Coll Surg. 2022 May 1;234(5):976-977.

[PubMed ID: [35426420](#)]

Medically smart, fiscally illiterate: Lack of financial education leads to poor retirement savings strategies in surgical trainees.

Barrett JR, Leonard LD, Kovar A, McCarthy DP, Harms B, Tevis S.

Am Surg. 2022 May 4:31348221096579. Epub ahead of print.

[PubMed ID: [35506914](#)]

TrustEd: A tool for developing intraoperative entrustment skills.

Stoeckl EM, Garren ME, Nishii A, Evans J, Minter RM, Sandhu G, Jung SA.

J Surg Educ. 2022 May-Jun;79(3):574-578.

[PubMed ID: [34972669](#)]

ACUTE CARE AND REGIONAL GENERAL SURGERY

A tale of two analyses: Administrative vs primary review of nutrition support team performance.

Busch RA, Stone S, Kudsk KA.

Nutr Clin Pract. 2022 May 2. Epub ahead of print.

[PubMed ID: [35499296](#)]

Ex vivo human and porcine skin effectively model Candida auris colonization, differentiating robust and poor fungal colonizers.

Eix EF, Johnson CJ, Wartman KM, Kernien JF, Meudt JJ, Shanmuganayagam D, Gibson ALF, Nett JE.

J Infect Dis. 2022 May 16;225(10):1791-1795.

[PubMed ID: [35267041](#)]

In support of interval cholecystectomy for perforated cholecystitis: In reply to Toro and Di Carlo.

Krecko LK, Scarborough JE, Jung HS.

J Am Coll Surg. 2022 May 1;234(5):974-975.

[PubMed ID: [35426418](#)]

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 May 25. Epub ahead of print.

[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 May 25:S0039-6060(22)00297-5. Epub ahead of print.

[PubMed ID: [35643829](#)]

With a little help from my friends: The negating impact of social community and mentorship on burnout.

Lund S, D'Angelo AL, Busch R, Friberg R, D'Angelo J.

J Surg Res. 2022 May 20;278:190-195.

[PubMed ID: [35605571](#)]

CARDIOTHORACIC SURGERY

Nicardipine is a safe, efficacious, and cost-effective antihypertensive for neonates and young infants undergoing cardiac surgery.

Lushaj E, Hermsen JL, Nelson K, Amond K, Bogenschutz M, Arndt S, Wilhelm M, Anagnostopoulos PV.

World J Pediatr Congenit Heart Surg. 2022 May;13(3):341-345.

[PubMed ID: [35446217](#)]

Non-small cell lung cancer, Version 3.2022, NCCN Clinical Practice Guidelines in Oncology.

Ettinger DS, Wood DE, Aisner DL, Akerley W, Bauman JR, Bharat A, Bruno DS, Chang JY, Chirieac LR, D'Amico TA, DeCamp M, Dilling TJ, Dowell J, 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, Pacheco JM, Patel SP, Riely GJ, Riess J, Schild SE, Shapiro TA, Singh AP, Stevenson J, Tam A, Tanvetyanon T, Yanagawa J, Yang SC, Yau E, Gregory K, Hughes M.
J Natl Compr Canc Netw. 2022 May;20(5):497-530.
[PubMed ID: [35545176](#)]

The great vessel freeze-out: A meta-analysis of conventional versus frozen elephant trunks in aortic arch surgery.

Vernice NA, Wingo ME, Walker PB, Demetres M, Stalter LN, Yang Q, de Biasi AR.
J Card Surg. 2022 May 8. Epub ahead of print.
[PubMed ID: [35526122](#)]

COLORECTAL SURGERY

Do immune inflammatory markers correlate with anal dysplasia and anal cancer risk in patients living with HIV?

Stem J, Yang Q, Carchman E, Striker R, Sanger CB.
Int J Colorectal Dis. 2022 May;37(5):983-988.
[PubMed ID: [35332364](#)]

EDUCATION

A metacognitive awareness inventory for surgical educators: Creation of the MAISE.

Jung S, Carnahan S, Krecko LK, Godfrey M.
J Surg Educ. 2022 May-Jun;79(3):569-573.
[PubMed ID: [34952816](#)]

ENDOCRINE SURGERY

Impact of endocrinologist and surgeon density on well-differentiated thyroid cancer survival.

McDow AD, Lanzotti N, Zahnd WE, MacKinney EC, Angelos P, Mellinger JD, Ganai S.
Am Surg. 2022 May 19;31348221091958. Epub ahead of print.
[PubMed ID: [35591793](#)]

Nerve monitoring decreases recurrent laryngeal nerve injury risk for neoplasm-related thyroidectomy.

Duong W, Grigorian A, Farzaneh C, Eifenbein D, Yamamoto M, Rosenbaum K, Lekawa M, Nahmias J.
Am J Surg. 2022 May;223(5):918-922.
[PubMed ID: [34715986](#)]

MINIMALLY INVASIVE SURGERY

Comment on: The APB study: apixaban pharmacokinetics in bariatric patients before to 1 year after vertical sleeve gastrectomy or Roux-en-Y gastric bypass.

Murtha JA, Harris DA, Funk LM.
Surg Obes Relat Dis. 2022 May;18(5):e30-e31.
[PubMed ID: [35241375](#)]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

A novel in vivo model of laryngeal papillomavirus-associated disease using *Mus musculus* Papillomavirus.

King RE, Bilger A, Rademacher J, Ward-Shaw ET, Hu R, Lambert PF, Thibeault SL.
Viruses. 2022 May 8;14(5):1000.
[PubMed ID: [35632742](#)]

Expanded basal compartment and disrupted barrier in vocal fold epithelium infected with mouse papillomavirus MmuPV1.

King RE, Ward-Shaw ET, Hu R, Lambert PF, Thibeault SL.
Viruses. 2022 May 16;14(5):1059.
[PubMed ID: [35632798](#)]

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. Epub 2022 May 14.
[PubMed ID: [35594796](#)]

Letter to the Editor: Sensitivity of palpation for detection of thyroid nodules with attention to size.

Hsiao V, Arroyo N, Fernandes-Taylor S, Chiu AS, Davies L, Francis DO.
Thyroid. 2022 May;32(5):599-601.
[PubMed ID: [35216527](#)]

Marrow-Derived Autologous Stromal Cells for the Restoration of Salivary Hypofunction (MARSH): Study protocol for a phase 1 dose-escalation trial of patients with xerostomia after radiation therapy for head and neck cancer: MARSH: Marrow-Derived Autologous Stromal Cells for the Restoration of Salivary Hypofunction.

Blitzer GC, Rogus-Pulia NM, Mattison RJ, Varghese T, Ganz O, Chappell R, Galipeau J, McDowell KA, Meyers RO, Glazer TA, Kimple RJ.
Cytotherapy. 2022 May;24(5):534-543.
[PubMed ID: [35183442](#)]

Patient-reported qualitative analysis of chronic refractory cough.

Wright ML, Fujiki RB, Lunga T, Thibeault SL.
Am J Speech Lang Pathol. 2022 May 5:1-7.
[PubMed ID: [35512298](#)]

Prospective study of PET/MRI tumor response during chemoradiotherapy for patients with low-risk and intermediate-risk p16-positive oropharynx cancer.

Witek ME, Kimple RJ, Avey GD, Burr AR, Chandereng T, Yu M, Hu R, Wieland AM, Labby ZE, Bruce JY, Brower JV, Hartig GK, Harari PM.
Am J Clin Oncol. 2022 May 1;45(5):202-207.
[PubMed ID: [35446279](#)]

Rhinoplasty update: The changing landscape of technique.

Marcus B, Toriumi D, Ferreira MG, Pham T, Tollefson TT.
Facial Plast Surg Aesthet Med. 2022 May-Jun;24(3):249-254.
[PubMed ID: [35588365](#)]

The effect of Mandarin vowels on acoustic analysis: A prospective observational study.

Shu M, Zhang Y, Jiang JJ.

J Voice. 2022 May 1:S0892-1997(22)00104-7. Epub ahead of print.

[PubMed ID: [35508424](#)]

The radial forearm snake flap: An underutilized technique for fasciocutaneous and osteocutaneous forearm flaps with primary closure.

Gessert TG, Pflum ZE, Thompson JD, Hoffman MR, Sanchez R, Glazer TA, Wieland AM, McCulloch TM, Hartig GK.

Head Neck. 2022 May;44(5):1106-1113.

[PubMed ID: [35165977](#)]

PEDIATRIC SURGERY

Demographic and clinical characteristics associated with the failure of nonoperative management of uncomplicated appendicitis in children: Secondary analysis of a nonrandomized clinical trial.

Minneci PC, Hade EM, Gil LA, Metzger GA, Saito JM, Mak GZ, Hirschl RB, Gadepalli S, Helmrath MA, Leys CM, Sato TT, Lal DR, Landman MP, Kabre R, Fallat ME, Cooper JN, Deans KJ; Midwest Pediatric Surgery Consortium.

JAMA Netw Open. 2022 May 2;5(5):e229712.

[PubMed ID: [35499827](#)]

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

Short SS, Kastenber 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 May 13. Epub ahead of print.

[PubMed ID: [35561331](#)]

PLASTIC SURGERY

Diversity drives innovation: The impact of female driven publications.

Smith RM, Rathore S, Donnelly D, Nicksic PJ, Poore SO, Dingle AM.

Aesthet Surg J. 2022 May 29:sjac137. Epub ahead of print.

[PubMed ID: [35640257](#)]

Local environment induces differential gene expression in regenerating nerves.

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

J Surg Res. 2022 May 23:S0022-4804(22)00199-8. Epub ahead of print.

[PubMed ID: [35618492](#)]

Optimize your first impression: A comparison of the aesthetic websites of private practices and academic institutions.

Warden AM, Mackenzie EL, Larson JD, Afifi AM.

Aesthetic Plast Surg. 2022 May 11. Epub ahead of print.
[PubMed ID: [35545704](#)]

Surgical and demographic predictors of free flap salvage after takeback: A systematic review.
Odorico SK, Reuter Muñoz K, J Nicksic P, Gunderson KA, Wood K, H Nkana Z, Bond E, Poore SO.
Microsurgery. 2022 May 25. Epub ahead of print.
[PubMed ID: [35611652](#)]

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 May 24. Epub ahead of print.
[PubMed ID: [35608850](#)]

SURGICAL ONCOLOGY

Development and validation of an explainable machine learning model for major complications after cytoreductive surgery.
Deng H, Eftekhari Z, Carlin C, Veerapong J, Fournier KF, Johnston FM, Dineen SP, Powers BD, Hendrix R, Lambert LA, Abbott DE, Vande Walle K, Grotz TE, Patel SH, Clarke CN, Staley CA, Abdel-Misih S, Cloyd JM, Lee B, Fong Y, Raouf M.
JAMA Netw Open. 2022 May 2;5(5):e2212930.
[PubMed ID: [35612856](#)]

Dynamic prediction of survival after curative resection of gastric adenocarcinoma: A landmarking-based analysis.
Spolverato G, Azzolina D, Paro A, Lorenzoni G, Gregori D, Poultsides G, Fields RC, Weber SM, Votanopoulos K, Maithel SK, Pucciarelli S, Pawlik TM.
Eur J Surg Oncol. 2022 May;48(5):1025-1032.
[PubMed ID: [34895773](#)]

How to perform an effective literature review.
Schwartz PB, Christensen L, Zafar SN.
Am J Surg. 2022 May 3:S0002-9610(22)00286-0. Epub ahead of print.
[PubMed ID: [35534295](#)]

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 May 5. Epub ahead of print.
[PubMed ID: [35511392](#)]

Is cytoreductive surgery-hyperthermic intraperitoneal chemotherapy still indicated in patients with extraperitoneal disease?
Beal EW, Chen JC, Kim A, Johnston FM, Abbott DE, Raouf 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 ID: [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 May 2. Epub ahead of print.

[PubMed ID: [35499783](#)]

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

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

J Surg Oncol. 2022 May 26. Epub ahead of print.

[PubMed ID: [35616186](#)]

TRANSPLANTATION

A human pancreatic ECM hydrogel optimized for 3-D modeling of the islet microenvironment.

Tremmel DM, Sackett SD, Feeney AK, Mitchell SA, Schaid MD, Polyak E, Chlebeck PJ, Gupta S, Kimple ME, Fernandez LA, Odorico JS.

Sci Rep. 2022 May 3;12(1):7188.

[PubMed ID: [35504932](#)]

Antibody response to three SARS-CoV-2 mRNA vaccines in adolescent solid organ transplant recipients.

Qin CX, Auerbach SR, Charnaya O, Danziger-Isakov LA, Ebel NH, Feldman AG, Hsu EK, McAteer J, Mohammad S, Perito ER, Thomas AM, Chiang TPY, Garonzik-Wang JM, Segev DL, Mogul DB.

Am J Transplant. 2022 May 5. Epub ahead of print.

[PubMed ID: [35510786](#)]

Cross-decoration of dendritic cells by non-inherited maternal antigen-containing extracellular vesicles: Potential mechanism for PD-L1-based tolerance in cord blood and organ transplantation.

Lema DA, Jankowska-Gan E, Nair A, Kanaan SB, Little CJ, Foley DP, Raza Naqvi A, Wang J, Hong S, Nelson JL, Al-Adra D, Burlingham WJ, Sullivan JA.

Am J Transplant. 2022 May;22(5):1329-1338.

[PubMed ID: [35143105](#)]

Effect of mycophenolate mofetil dosing on antibody response to SARS-CoV-2 vaccination in heart and lung transplant recipients.

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

Transplantation. 2022 May 1;106(5):e269-e270.

[PubMed ID: [35250006](#)]

Humoral and cellular immune response to a third dose of SARS-CoV-2 vaccine in kidney transplant recipients taking belatacept.

Mitchell J, Kim J, Alejo JL, Chiang TP, Karaba AH, Blankson JN, Aytenfisu TY, Chang A, Abedon AT, Avery RK, Tobian AA, Massie AB, Levan ML, Warren DS, Garonzik-Wang JM, Segev DL, Werbel WA.

Transplantation. 2022 May 1;106(5):e264-e265.

[PubMed ID: [35289776](#)]

Improved antibody response after a fifth dose of a SARS-CoV-2 vaccine in solid organ transplant recipients: A case series.

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

Transplantation. 2022 May 1;106(5):e262-e263.

[PubMed ID: [35175241](#)]

Molecular diagnosis of ABMR with or without donor-specific antibody in kidney transplant biopsies: Differences in timing and intensity but similar mechanisms and outcomes.

Halloran PF, Madill-Thomsen KS, Pon S, Sikosana MLN, Böhmig GA, Bromberg J, Einecke G, Eskandary F, Gupta G, Hidalgo LG, Myslak M, Viklicky O, Perkowska-Ptasinska A; INTERCOMEX Investigators.

Am J Transplant. 2022 May 16. Epub ahead of print.

[PubMed ID: [35575435](#)]

Pancreas transplantation for type 2 diabetes: A systematic review, critical gaps in the literature, and a path forward.

Amara D, Hansen KS, Kupiec-Weglinski SA, Braun HJ, Hirose R, Hilton JF, Rickels MR, Odorico JS, Stock PG.

Transplantation. 2022 May 5. Epub ahead of print.

[PubMed ID: [35576270](#)]

Post-pancreatic transplant enteric leaks: The role of the salvage operation.

Fleetwood VA, Falls C, Ohman J, Aziz A, Stalter L, Levenson G, Welch B, Kaufman DB, Al-Adra DP, Odorico JS.

Am J Transplant. 2022 May 20. Epub ahead of print.

[PubMed ID: [35593379](#)]

Six-month antibody kinetics and durability after 3 doses of SARS-CoV-2 vaccine in solid organ transplant recipients: A case series.

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

Transplantation. 2022 May 1;106(5):e281-e283.

[PubMed ID: [35066543](#)]

The Tabula Sapiens: A multiple-organ, single-cell transcriptomic atlas of humans.

Tabula Sapiens Consortium*, Jones RC, Karkanas J, Krasnow MA, Pisco AO, ...Neidlinger N, ...Sonnenburg JL, Wang B, Wu A, Wu SM, Wyss-Coray T.

Science. 2022 May 13;376(6594):eabl4896.

[PubMed ID: [35549404](#)]

Use of preprocurement biopsy in donation after circulatory death liver transplantation.

Bolognese AC, Foley DP, Sparks CJ, Schneider AK, D'Alessandro AM, Neidlinger NA.

Liver Transpl. 2022 May 21. Epub ahead of print.

[PubMed ID: [35596660](#)]

VASCULAR SURGERY

Five-year outcomes with conformable GORE TAG endoprosthesis used in traumatic aortic transections.

Farber MA, Krishnasastry KV, Desai N, Starnes BW, Matsumura JS, Tohill BC; TAG 08-02 clinical trial investigators.

Ann Thorac Surg. 2022 May;113(5):1536-1542.

[PubMed ID: [34126073](#)]

Surgeon use of shared decision-making for older adults considering major surgery: A secondary analysis of a randomized clinical trial.

Baggett ND, Schulz K, Buffington A, Marka N, Hanlon BM, Zimmermann C, Tucholka J, Fox D, Clapp JT, Arnold RM, Schwarze ML.

JAMA Surg. 2022 May 1;157(5):406-413.

[PubMed ID: [35319737](#)]