



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

AUGUST 2022 PUBLICATIONS

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

CROSS-DIVISION COLLABORATIONS

Barriers to breast reconstruction for socioeconomically disadvantaged women.

Stankowski TJ, Schumacher JR, Hanlon BM, Tucholka JL, Venkatesh M, Yang DY, Poore SO, Neuman HB.

Breast Cancer Res Treat. 2022 Oct;195(3):413-419. Epub 2022 Aug 15.

[PubMed ID: [35969284](#)]

Identifying intraoperative behaviors associated with surgical resident teachability.

Lauer KV, Jung SA, Elfenbein DM.

J Surg Educ. 2022 Aug 16:S1931-7204(22)00186-6. Epub ahead of print.

[PubMed ID: [35985934](#)]

ACUTE CARE AND REGIONAL GENERAL SURGERY

Five-year outcomes after implementing a pain, agitation, and delirium protocol in a mixed intensive care unit.

Fish JT, Baxa JT, Draheim RR, Willenborg MJ, Mills JC, Sticht LA, Hankwitz JL, Wells JA, Jung HS.

J Intensive Care Med. 2022 Aug;37(8):1060-1066.

[PubMed ID: [34841939](#)]

CARDIOTHORACIC SURGERY

Commentary: The rapidly growing aorta: Time for precise measurements.

Rokkas CK.

J Thorac Cardiovasc Surg. 2022 Aug 10:S0022-5223(22)00835-2. Epub ahead of print.

[PubMed ID: [36038384](#)]

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 Aug;37(8):2397-2407. Epub 2022 May 8.
[PubMed ID: [35526122](#)]

The use of STS public reporting to guide referrals in congenital heart surgery: Results of a survey.

Schreiter N, Hermsen J, Hokanson J, Anagnostopoulos PV.
Ann Thorac Surg. 2022 Aug;114(2):527-534. Epub 2021 Jul 6.
[PubMed ID: [34237290](#)]

ENDOCRINE SURGERY

Risk factors for the failure of non-operative management among patients admitted for colonic diverticulitis.

Guerra ME, Chiu AS, Chilakamaray S, Jean R, Brandt WS, Ruangvoravat L, Davis KA.
Am Surg. 2022 Aug 19:31348221121546. Epub ahead of print.
[PubMed ID: [35986004](#)]

Thyroid carcinoma, version 2.2022, NCCN Clinical Practice Guidelines in Oncology.

Haddad RI, Bischoff L, Ball D, Bernet V, Blomain E, Busaidy NL, Campbell M, Dickson P, Duh QY, Ehya H, Goldner WS, Guo T, Haymart M, Holt S, Hunt JP, Jagaru A, Kandeel F, Lamonica DM, Mandel S, Markovina S, McIver B, Raeburn CD, Rezaee R, Ridge JA, Roth MY, Scheri RP, Shah JP, Sipos JA, Sippel R, Sturgeon C, Wang TN, Wirth LJ, Wong RJ, Yeh M, Cassara CJ, Darlow S.
J Natl Compr Canc Netw. 2022 Aug;20(8):925-951.
[PubMed ID: [35948029](#)]

Treatment differences for adrenocortical carcinoma by race and insurance status.

Holoubek SA, MacKinney EC, Khokar AM, Kuchta KM, Winchester DJ, Prinz RA, Moo-Young TA.
J Surg Res. 2022 Aug 17;280:169-178. Epub ahead of print.
[PubMed ID: [35987166](#)]

MINIMALLY INVASIVE SURGERY

Association between neighborhood food environments and bariatric surgery outcomes.

Murtha JA, Venkatesh M, Liu N, Jawara D, Hanlon BM, Hanrahan LP, Funk LM.
Surg Obes Relat Dis. 2022 Aug 22:S1550-7289(22)00623-2. Epub ahead of print.
[PubMed ID: [36123294](#)]

The 2020 pandemics: Lessons learned in academic surgery and beyond.

Gonzalez L, Pawlik TM, Kibbe MR, Williams B, Vicente D, O'Leary MP, Velopoulos CG, Funk LM.
J Surg Res. 2022 Aug;276:A1-A6. Epub 2022 Mar 18.
[PubMed ID: [35314073](#)]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

Are children with cleft palate at increased risk for laryngeal pathology?

Fujiki RB, Thibeault SL.
Cleft Palate Craniofac J. 2022 Aug 1:10556656221104027. Epub ahead of print.
[PubMed ID: [35912443](#)]

Combined transcavernous and Kawase's approach for gross total resection of a cavernous sinus meningioma.

Elshamy W, Ozaydin B, Pyle GM, Baskaya MK.

J Neurol Surg B Skull Base. 2021 Apr 8;83(Suppl 3):e603-e605.

[PubMed ID: [36068902](#)]

Exposure to e-cigarette vapor extract induces vocal fold epithelial injury and triggers intense mucosal remodeling.

Lungova V, Wendt K, Thibeault SL.

Dis Model Mech. 2022 Aug 1;15(8):dmm049476. Epub 2022 Aug 23.

[PubMed ID: [35770504](#)]

How do academic otolaryngologists decide to implement new procedures into practice?

Powers B, Smith CD, Arroyo N, Francis DO, Fernandes-Taylor S.

Otolaryngol Head Neck Surg. 2022 Aug;167(2):253-261. Epub 2021 Sep 21.

[PubMed ID: [34546818](#)]

Multicenter development and validation of the Vocal Cord Paralysis Experience (CoPE), a patient-reported outcome measure for unilateral vocal fold paralysis-specific disability.

Fernandes-Taylor S, Damico-Smith C, Arroyo N, Wichmann M, Zhao J, Feurer ID, Francis DO; CoPE Collaborative.

JAMA Otolaryngol Head Neck Surg. 2022 Aug 1;148(8):756-763.

[PubMed ID: [35797026](#)]

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](#)]

Stress effects on pharyngeal air pressure and upper esophageal sphincter pressure during phonation: The influence of vocal tract semi-occlusion.

Hoffmeister JD, Ulmschneider CL, Ciucci MR, McCulloch TM.

J Voice. 2022 Aug 25:S0892-1997(22)00222-3. Epub ahead of print.

[PubMed ID: [36031506](#)]

PEDIATRIC SURGERY

A multi-institutional study evaluating pediatric burn injuries during the COVID-19 pandemic.

Georgeades CM, Collings AT, Farazi M, Fallat ME, Minneci PC, Sato TT, Speck KE, Van Arendonk K, Deans KJ, Falcone RA, Foley DS, Fraser J, Gadepalli S, Keller MS, Kotagal M, Landman MP, Leys CM, Markel TA, Rubalcava N, St Peter SD, Flynn-O'Brien KT.

J Burn Care Res. 2022 Aug 19:irac118. Epub ahead of print.

[PubMed ID: [35985296](#)]

Disparities in the management of pediatric breast masses.

Knaus ME, Onwuka AJ, Bowder A, Courtney C, Deans KJ, Downard CD, Duran YK, Fallat ME, Fraser JD, Gadepalli SK, Kabre R, Kalbfell EL, Kohler J, Lal DR, Landman MP, Lawrence AE, Leys CM, Lu P, Mak GZ, Markel TA, Merchant N, Nguyen T, Pilkington M, Port E, Rymeski B, Saito J, Sato TT, St Peter SD, Wright T, Minneci PC, Grabowski JE; Midwest Pediatric Surgery Consortium.

J Surg Res. 2022 Nov;279:648-656. Epub 2022 Aug 3.

[PubMed ID: [35932719](#)]

Multi-institutional review of the preoperative diagnostic accuracy for pediatric ovarian mature cystic teratomas.

Knaus ME, Onwuka AJ, Afrazi A, Breech L, Corkum KS, Dillon PA, Ehrlich PF, Fallat ME, Fraser JD, Gadepalli SK, Grabowski JE, Hertweck SP, Kabre R, Lal DR, Landman MP, Lawrence AE, Leys CM, Mak GZ, Markel TA, Merchan N, Overman RE, Rademacher BL, Raiji MT, Rymeski B, Sato TT, Scannel M, Schikler AG, Sujka JA, Wright T, Aldrink JH, Hewitt GD, Minneci PC, Deans KJ; Midwest Pediatric Surgery Consortium.

J Pediatr Adolesc Gynecol. 2022 Aug;35(4):478-485. Epub 2022 Feb 4.

[PubMed ID: [35124214](#)]

Pediatric injury transfer patterns during the COVID-19 pandemic: An interrupted time series analysis.

Flynn-O'Brien KT, Collings AT, Farazi M, Fallat ME, Minneci PC, Speck KE, Van Arendonk K, Deans KJ, Falcone RA Jr, Foley DS, Fraser JD, Gadepalli S, Keller MS, Kotagal M, Landman MP, Leys CM, Markel TA, Rubalcava N, St Peter SD, Sato TT; Midwest Pediatric Surgery Consortium.

J Surg Res. 2022 Aug 30;281:130-142. Epub ahead of print.

[PubMed ID: [36155270](#)]

PLASTIC SURGERY

Informed consent practices in global surgery among plastic surgery organizations.

Thadikonda K, Zhang R, Bruhn J, Nguyen PD, Poore SO.

Plast Reconstr Surg. 2022 Oct 1;150(4):921-928. Epub 2022 Aug 8.

[PubMed ID: [35939636](#)]

Preparing for a crowded cosmetic market: A resident training model for minimally invasive cosmetic treatments.

Marks JM, Mackenzie EL, Rose KR, Shaffrey EC, Larson JD, Siebert JW, Afifi AM.

Plast Reconstr Surg. 2022 Aug 1;150(2):317-324. Epub 2022 Jun 6.

[PubMed ID: [35666161](#)]

SURGICAL ONCOLOGY

Access to urologists for participation in research: An analysis of NCI's Community Oncology Research Program landscape survey.

Ellis SD, Vaidya R, Unger JM, Stratton K, Gills J, Van Veldhuizen P, Mederos E, Dressler EV, Hudson MF, Kamen C, Neuman HB, Kazak AE, Carlos RC, Weaver KE.

Contemp Clin Trials Commun. 2022 Aug 14;29:100981.

[PubMed ID: [36033360](#)]

Editorial: Updating the operative standards for cancer surgery key questions.

Kelly KJ.

Ann Surg Oncol. 2022 Oct;29(11):6511-6514. Epub 2022 Aug 18.

[PubMed ID: [35980552](#)]

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. 2022 Aug 16:1–10. Epub ahead of print.
[PubMed ID: [35974253](#)]

Successes and lessons learned in database development for national multi-site cancer care delivery research trials: the Alliance for Clinical Trials in Oncology experience.

Zahrieh D, Hillman SL, Tan AD, Frank JL, Dockter T, Meyers BJ, Cherevko CL, Peil ES, McCue S, Kour O, Gunn HJ, Neuman HB, Chang GJ, Paskett ED, Mandrekar SJ, Dueck AC.
Trials. 2022 Aug 9;23(1):645.
[PubMed ID: [35945621](#)]

Very early recurrence after curative-intent surgery for gastric adenocarcinoma.

Spolverato G, Capelli G, Mari V, Lorenzoni G, Gregori D, Poultsides G, Fields RC, Weber SM, Votanopoulos K, Cho CS, He J, Maithel SK, Pucciarelli S, Pawlik TM.
Ann Surg Oncol. 2022 Aug 26. Epub ahead of print.
[PubMed ID: [36018525](#)]

TRANSPLANTATION

A master surgical educator: the "intrinsic" factor of Dr. Paul Greig.

Al-Adra DP, Barbas AS, Shah S, Molinari M.
HPB (Oxford). 2022 Aug 8:S1365-182X(22)01542-8. Epub ahead of print.
[PubMed ID: [36002362](#)]

Blood products and liver transplantation: A strategy to balance optimal preparation with effective blood stewardship.

Little CJ, Levenson GE, Hammel LL, Connor JP, Al-Adra DP.
Transfusion. 2022 Oct;62(10):2057-2067. Epub 2022 Aug 20.
[PubMed ID: [35986654](#)]

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 ID: [35935024](#)]

Impact of seasonal coronavirus antibodies on SARS-CoV-2 vaccine responses in solid organ transplant recipients.

Karaba AH, Zhou W, Li S, Aytenfis TY, Johnston TS, Akinde O, Eby Y, Abedon AT, Alejo JL, Qin CX, Thompson EA, Garonzik-Wang JM, Blankson JN, Cox AL, Bailey JR, Klein SL, Pekosz A, Segev DL, Tobian AAR, Werbel WA.
Clin Infect Dis. 2022 Aug 12:ciac652. Epub ahead of print.
[PubMed ID: [35959783](#)]

Improved humoral immunogenicity with mRNA-1273 versus BNT162b2 as third vaccine dose among solid organ transplant recipients seronegative after two BNT162b2 doses.

Chang A, Chiang TP, Kim JD, Mitchell J, Alejo JL, Jefferis AA, Avery RK, Tobian AAR, Levan ML, Warren DS, Garonzik-Wang JM, Massie AB, Segev DL, Werbel WA.
Clin Transplant. 2022 Aug;36(8):e14738. Epub 2022 Jun 14.
[PubMed ID: [35670813](#)]

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; 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](#)]

Maribavir for the management of cytomegalovirus in adult transplant recipients: A review of the literature and practical considerations.

Kleiboeker HL, Descourouez JL, Schulz LT, Mandelbrot DA, Odorico JS, Rice JP, Saddler CM, Smith JA, Jorgenson MR. Ann Pharmacother. 2022 Aug 24;10600280221118959. Epub ahead of print. [PubMed ID: [36003036](#)]

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 Aug;22(8):1976-1991. Epub 2022 Jun 2. [PubMed ID: [35575435](#)]

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 Aug;22(8):2052-2063. Epub 2022 Jun 7. [PubMed ID: [35593379](#)]

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](#)]

RNA sequencing analysis of hepatocellular carcinoma identified oxidative phosphorylation as a major pathologic feature.

Liu Y, Al-Adra DP, Lan R, Jung G, Li H, Yeh MM, Liu YZ. Hepatol Commun. 2022 Aug;6(8):2170-2181. Epub 2022 Mar 28. [PubMed ID: [35344307](#)]

Severe acute respiratory syndrome coronavirus 2 antibody response to a third dose of homologous messenger RNA vaccination in liver transplantation recipients.

Strauss AT, Chang A, Alejo JL, Chiang TP, Hernandez NF, Zeiser LB, Boyarsky BJ, Avery RK, Tobian AAR, Levan ML, Warren DS, Massie AB, Garonzik-Wang JM, Segev DL, Werbel WA. Liver Transpl. 2022 Aug;28(8):1393-1396. Epub 2022 May 9. [PubMed ID: [35389558](#)]

VASCULAR SURGERY

Ankle brachial indices and anaerobes: is peripheral arterial disease associated with anaerobic bacteria in diabetic foot ulcers?

Cheong JZA, Irvine JM, Roesemann S, Nora A, Morgan CE, Daniele C, Kalan LR, Brennan MB. Ther Adv Endocrinol Metab. 2022 Aug 23;13:20420188221118747. [PubMed ID: [36051573](#)]

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, Baird R, ... Tefera G, ... Shearer DW. Can J Surg. 2022 Aug 12;65(4 Suppl 1):S1-S18. [PubMed ID: [35961679](#)]

Midterm outcomes of endovascular repair of aortic arch aneurysms with the gore thoracic branch endoprosthesis.

Liang NL, Dake MD, Fischbein MP, Bavaria JE, Desai ND, Oderich GS, Singh MJ, Fillinger M, Suckow BD, Matsumura JS, Patel HJ, Makaroun MS. Eur J Vasc Endovasc Surg. 2022 Aug 13:S1078-5884(22)00506-8. Epub ahead of print. [PubMed ID: [35970335](#)]

Optimizing the diagnostic approach of functional popliteal artery entrapment syndrome.

Morgan C, Huang A, Turnipseed W. J Vasc Surg. 2022 Aug 12:S0741-5214(22)02087-0. Epub ahead of print. [PubMed ID: [35970305](#)]

The role of patch closure in current-day carotid endarterectomy.

Zaza SI, Bennett KM. J Vasc Surg. 2022 Aug 10:S0741-5214(22)02117-6. Epub ahead of print. [PubMed ID: [35963459](#)]

Understanding who benefits from endovascular aortic repair in those deemed unfit for open repair.

Khoury MK, Heid CA, Rectenwald JE, Acher CW, Tsai S, Ramanan B, Timaran CH, Modrall JG. J Vasc Surg. 2022 Aug;76(2):419-427.e3. Epub 2022 Feb 25. [PubMed ID: [35227800](#)]
