



# Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

## JUNE 2022 PUBLICATIONS

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

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### CROSS-DIVISION COLLABORATIONS

**Our thoughts: Improving general surgery resident preparedness for dedicated research time.**

Schwartz PB, Krecko LK, Park KY, O'Rourke AP, Greenberg J, Jung S.

Am J Surg. 2022 Jun;223(6):1217-1219.

[PubMed ID: [34876255](#)]

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### 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 J, Christmas AB, Claridge JA, Stein DM, Jung HS.

J Trauma Acute Care Surg. 2022 Jun 10. Epub ahead of print.

[PubMed ID: [35687805](#)]

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**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 Jun 1. Epub ahead of print.

[PubMed ID: [35653510](#)]

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### CARDIOTHORACIC SURGERY

**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. 2022 Jun 25:S0022-5223(22)00708-5. Epub ahead of print.

[PubMed ID: [35811141](#)]

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**One year results of the GORE® EXCLUDER® Conformable AAA Endoprosthesis (EXCC) system in the United States regulatory trial.**

Rhee R, Oderich G, Han S, Long C, Muck P, Moore E, Matsumura J; EXCC investigators.  
J Vasc Surg. 2022 Jun 7:S0741-5214(22)01597-X. Epub ahead of print.  
[PubMed ID: [35688351](#)]

**Outcomes of endovascular repair of aortic aneurysms with the GORE thoracic branch endoprosthesis for left subclavian artery preservation.**

Dake MD, Brinkman WT, Han SM, Matsumura JS, Sweet MP, Patel HJ, Taylor BS, Oderich GS.  
J Vasc Surg. 2022 Jun 14:S0741-5214(22)01642-1. Epub ahead of print.  
[PubMed ID: [35709864](#)]

**Rare and complicated functional posterior mediastinal paraganglioma.**

SenthilKumar G, Rokkas CK, Sheinin YM, Linsky PL.  
BMJ Case Rep. 2022 Jun 7;15(6):e250500.  
[PubMed ID: [35672059](#)]

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**MINIMALLY INVASIVE SURGERY**

**A novel fascial flap technique after inguinal complete lymph node dissection for melanoma.**

Lattimore CM, Meneveau MO, Marsh KM, Shada AL, Slingluff CL Jr, Dengel LT.  
J Surg Res. 2022 Jun 4;278:356-363. Epub ahead of print.  
[PubMed ID: [35671681](#)]

**Authors' reply to: To screen or not to screen? At which BMI cut point? Comment on "Obesity and BMI cut points for associated comorbidities: Electronic health record study".**

Funk L, Liu N.  
J Med Internet Res. 2022 Jun 29;24(6):e39717.  
[PubMed ID: [35767330](#)]

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

Wong K, Shada A.  
Am J Surg. 2022 Jun 1:S0002-9610(22)00392-0. Epub ahead of print.  
[PubMed ID: [35667897](#)]

**Factors associated with non-adherence to insulin and non-insulin medications in patients with poorly controlled diabetes.**

Sagalla N, Yancy WS Jr, Edelman D, Jeffreys AS, Coffman CJ, Voils CI, Alexopoulos AS, Maciejewski ML, Dar M, Crowley MJ.  
Chronic Illn. 2022 Jun;18(2):398-409.  
[PubMed ID: [33100020](#)]

**Gender disparities in gastrointestinal surgery fellowship programs.**

Wolbrom DH, Brunt LM, Lidor A, Jeyarajah DR, Mattar SG, Pryor A.  
Surg Endosc. 2022 Jun;36(6):3805-3810.  
[PubMed ID: [34459975](#)]

**Validation of the Turkish version of the DOSE-Nonadherence measure among patients with cardiometabolic conditions.**

Yagmur M, Ay P, Sancar M, Voils CI, Okuyan B.  
J Clin Pharm Ther. 2022 Jun 23. doi: 10.1111/jcpt.13714. Epub ahead of print.  
[PubMed ID: [35735120](#)]

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## **OTOLARYNGOLOGY-HEAD & NECK SURGERY**

### **Asiatic acid improves extracellular matrix remodeling in vocal fold scarring via SMAD7 activation.**

Liu D, Qian T, Li P, Li W, Sun S, Jiang JJ.  
Laryngoscope. 2022 Jun;132(6):1237-1244.  
[PubMed ID: [34591990](#)]

### **Association of patient characteristics with postoperative mortality in children undergoing tonsillectomy in 5 US States.**

Edmonson MB, Zhao Q, Francis DO, Kelly MM, Sklansky DJ, Shadman KA, Collier RJ.  
JAMA. 2022 Jun 21;327(23):2317-2325.  
[PubMed ID: [35727278](#)]

### **Complication rates of total thyroidectomy vs hemithyroidectomy for treatment of papillary thyroid microcarcinoma: A systematic review and meta-analysis.**

Hsiao V, Light TJ, Adil AA, Tao M, Chiu AS, Hitchcock M, Arroyo N, Fernandes-Taylor S, Francis DO.  
JAMA Otolaryngol Head Neck Surg. 2022 Jun 1;148(6):531-539.  
[PubMed ID: [35511129](#)]

### **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 Jun 30;dmm.049476. Epub ahead of print.  
[PubMed ID: [35770504](#)]

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

Fujiki RB, Braden M, Thibeault SL.  
Laryngoscope. 2022 Jun 26. Epub ahead of print.  
[PubMed ID: [35754165](#)]

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## **PEDIATRIC SURGERY**

### **Accuracy of chest computed tomography in distinguishing cystic pleuropulmonary blastoma from benign congenital lung malformations in children.**

Engwall-Gill AJ, Chan SS, Boyd KP, Saito JM, Fallat ME, St Peter SD, Bolger-Theut S, Crotty EJ, Green JR, Hulett Bowling RL, Kumbhar SS, Rattan MS, Young CM, Canner JK, Deans KJ, Gadepalli SK, Helmraath MA, Hirschl RB, Kabre R, Lal DR, Landman MP, Leys CM, Mak GZ, Minneci PC, Wright TN, Kunisaki SM; Midwest Pediatric Surgery Consortium.  
JAMA Netw Open. 2022 Jun 1;5(6):e2219814.  
[PubMed ID: [35771571](#)]

### **Acid suppression duration does not alter anastomotic stricture rates after esophageal atresia with distal tracheoesophageal fistula repair: A prospective multi-institutional cohort study.**

Bowder AN, Bence CM, Rymeski BA, Gadepalli SK, Sato TT, Szabo A, Arendonk KV, Minneci PC, Downard CD, Hirschl RB, Markel T, Courtney CM, Deans KJ, Fallat ME, Fraser JD, Grabowski JE, Helmraath MA, Kabre RD, Kohler JE, Landman MP, Lawrence AE, Leys CM, Mak G, Port E, Saito J, Silverberg J, Slidell MB, St Peter SD, Trout M, Wright TN, Lal DR; Midwest Pediatric Consortium.  
J Pediatr Surg. 2022 Jun;57(6):975-980.  
[PubMed ID: [35304025](#)]

**Impact of "stay-at-home" orders on non-accidental trauma: A multi-institutional study.**

Collings AT, Farazi M, Van Arendonk K, Fallat ME, Minneci PC, Sato TT, Speck KE, Deans KJ, Falcone RA, Foley DS, Fraser JD, Keller MS, Kotagal M, Landman MP, Leys CM, Markel T, Rubalcava N, St Peter SD, Flynn-O'Brien KT; Midwest Pediatric Surgery Consortium.

J Pediatr Surg. 2022 Jun;57(6):1062-1066.

[PubMed ID: [35292165](#)]

**Incidence and management of pleural effusions in patients with Wilms tumor: A Pediatric Surgical Oncology Research Collaborative study.**

Al-Hadidi A, Rinehardt HN, Sutthataran P, Talbot LJ, Murphy AJ, Whitlock R, Condon S, Naik-Mathuria B, Utria AF, Rothstein DH, Chen SY, Wong-Michalak S, Kim ES, Short SS, Meyers RL, Kastenber ZJ, Johnston ME 2nd, Zens T, Dasgupta R, Malek MM, Calabro K, Piché N, Callas H, Lautz TB, McKay K, Lovvorn HN 3rd, Commander SJ, Tracy ET, Lund SB, Polites SF, Davidson J, Dhooma J, Seemann NM, Marquart JP, Gainer H, Lal DR, Rich BS, Glick RD, Maloney L, Radu S, Fialkowski EA, Kwok PE, Romao RLP, Rubalcava N, Ehrlich PF, Newman E, Diehl T, Le HD, Polcz V, Petroze RT, Stanek J, Aldrink JH.

Int J Cancer. 2022 Jun 24. Epub ahead of print.

[PubMed ID: [35748343](#)]

**Interhospital variability in localization techniques for small pulmonary nodules in children: A pediatric surgical oncology research collaborative study.**

Morgan KM, Anderson KT, Johnston ME, Dasgupta R, Crowley JJ, Fahy AS, Lapidus-Krol E, Baertschiger RM, Lautz TB, Many BT, Marquart JP, Gainer H, Lal DR, Rich BS, Glick RD, MacArthur TA, Polites SF, Kastenber ZJ, Short SS, Meyers RL, Talbot L, Abdelhafeez A, Prajapati H, Davidoff AM, Rubalcava N, Newman E, Ehrlich PF, Rothstein DH, Roach JP, Ladd P, Janek KC, Le HD, Leraas HJ, Tracy ET, Bisset L, Mora MC, Warren P, Aldrink JH, Malek MM.

J Pediatr Surg. 2022 Jun;57(6):1013-1017.

[PubMed ID: [35307194](#)]

**Laparoscopy versus laparotomy for pediatric ovarian dermoids.**

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, Merchant N, Elliott Overman R, Rademacher BL, Raiji MT, Rymeski B, Sato TT, Scannell M, Schikler AG, Sujka JA, Wright T, Aldrink JH, Hewitt GD, Minneci PC, Deans KJ; Midwest Pediatric Surgery Consortium.

J Pediatr Surg. 2022 Jun;57(6):1008-1012.

[PubMed ID: [35292164](#)]

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**PLASTIC SURGERY**

**Electrical stimulation of acute fractures: A narrative review of stimulation protocols and device specifications.**

Nicksic PJ, Donnelly DT, Verma N, Setiz AJ, Shoffstall AJ, Ludwig KA, Dingle AM, Poore SO.

Front Bioeng Biotechnol. 2022 Jun 2;10:879187.

[PubMed ID: [35721861](#)]

**"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 Jun 6. Epub ahead of print.

[PubMed ID: [35666161](#)]

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## **SURGICAL ONCOLOGY**

### **De-escalating locoregional therapy for axillary micrometastases in breast cancer: How much is too much?**

Merfeld EC, Burr AR, Brickson C, Neuman HB, Anderson BM.  
Clin Breast Cancer. 2022 Jun;22(4):336-342.  
[PubMed ID: [35105500](#)]

### **Development and validation of a modified eighth AJCC staging system for primary pancreatic neuroendocrine tumors.**

Zhang XF, Xue F, Wu Z, Lopez-Aguilar AG, Poultides G, Makris E, Rocha F, Kanji Z, Weber S, Fisher A, Fields R, Krasnick BA, Idrees K, Smith PM, Cho C, Beems M, Lyu Y, Maithel SK, Pawlik TM.  
Ann Surg. 2022 Jun 1;275(6):e773-e780.  
[PubMed ID: [32511134](#)]

### **Prognostic utility of systemic immune-inflammation index after resection of extrahepatic cholangiocarcinoma: Results from the U.S. Extrahepatic Biliary Malignancy Consortium.**

Toyoda J, Sahara K, Maithel SK, Abbott DE, Poultides GA, Wolfgang C, Fields RC, He J, Scoggins C, Idrees K, Shen P, Endo I, Pawlik TM.  
Ann Surg Oncol. 2022 Jun 29. Epub ahead of print.  
[PubMed ID: [35768667](#)]

### **Rethinking routine intensive care after cytoreductive surgery with heated intraperitoneal chemotherapy: The fiscal argument.**

Schwartz PB, Stahl CC, Vidri RJ, Levenson GE, Puckett Y, Zafar SN, Varley P, Ronnekleiv-Kelly SM, Al-Niaimi A, Weber SM, Abbott DE.  
Ann Surg Oncol. 2022 Jun 7. Epub ahead of print.  
[PubMed ID: [35672624](#)]

### **Surgical treatment of neuroendocrine tumors of the terminal ileum or cecum: ileocectomy versus right hemicolectomy.**

Li MX, Lopez-Aguilar AG, Poultides G, Rocha F, Weber S, Fields R, Idrees K, Cho C, Maithel SK, Zhang XF, Pawlik TM.  
J Gastrointest Surg. 2022 Jun;26(6):1266-1274.  
[PubMed ID: [35149952](#)]

### **Using machine learning to preoperatively stratify prognosis among patients with gallbladder cancer: a multi-institutional analysis.**

Cotter G, Beal EW, Poultides GA, Idrees K, Fields RC, Weber SM, Scoggins CR, Shen P, Wolfgang C, Maithel SK, Pawlik TM.  
HPB (Oxford). 2022 Jun 20:S1365-182X(22)01508-8. Epub ahead of print.  
[PubMed ID: [35798655](#)]

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## **TRANSPLANTATION**

### **Association of transplant center market concentration and local organ availability with deceased donor kidney utilization.**

Husain SA, King KL, Cron DC, Neidlinger NA, Ng H, Mohan S, Adler JT.  
Am J Transplant. 2022 Jun;22(6):1603-1613.

[PubMed ID: [35213789](#)]

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

Foley DP.

Liver Transpl. 2022 Jun 15. Epub ahead of print.

[PubMed ID: [35706126](#)]

**Early United States experience with liver donation after circulatory determination of death using thoraco-abdominal normothermic regional perfusion: A multi-institutional observational study.**

Sellers MT, Nassar A, Alebrahim M, Sasaki K, Lee DD, Bohorquez H, Cannon RM, Selvaggi G, Neidlinger N, McMaster WG, Hoffman JRH, Shah AS, Montenovolo MI.

Clin Transplant. 2022 Jun;36(6):e14659.

[PubMed ID: [35362152](#)]

**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 Jun 7:e14738. Epub ahead of print.

[PubMed ID: [35670813](#)]

**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 Jun 3. Epub ahead of print.

[PubMed ID: [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 Jun 3:S1051-0443(22)00977-0. Epub ahead of print.

[PubMed ID: [35667580](#)]

**Multi-center study of racial & ethnic inequities in liver transplant evaluation: Understanding mechanisms & identifying solutions.**

Strauss AT, Sidoti CN, Purnell TS, Sung HC, Jackson JW, Levin S, Jain VS, Malinsky D, Segev DL, Hamilton JP, Garonzik-Wang J, Gray SH, Levan ML, Scalea JR, Cameron AM, Gurakar A, Gurses AP.

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

[PubMed ID: [35726679](#)]

**National landscape of human immunodeficiency virus-positive deceased organ donors in the United States.**

Werbel WA, Brown DM, Kusemiju OT, Doby BL, Seaman SM, Redd AD, Eby Y, Fernandez RE, Desai NM, Miller J, Bismut GA, Kirby CS, Schmidt HA, Clarke WA, Seisa M, Petropoulos CJ, Quinn TC, Florman SS, Huprikar S, Rana MM, Friedman-Moraco RJ, Mehta AK, Stock PG, Price JC, Stosor V, Mehta SG, Gilbert AJ, Elias N, Morris MI, Mehta SA, Small CB, Haidar G, Malinis M, Husson JS, Pereira MR, Gupta G, Hand J, Kirchner VA, Agarwal A, Aslam S, Blumberg EA, Wolfe CR, Myer K, Wood RP, Neidlinger N, Strell S, Shuck M, Wilkins H, Wadsworth M, Motter JD, Odum J, Segev DL, Durand CM, Tobian AAR; HOPE in Action Investigators.

Clin Infect Dis. 2022 Jun 10;74(11):2010-2019.

[PubMed ID: [34453519](#)]

**Surgical complications after living and deceased donor liver transplant: The NSQIP transplant experience.**

Amara D, Parekh J, Sudan D, Elias N, Foley DP, Conzen K, Grieco A, Braun HJ, Greenstein S, Byrd C, Ko C, Hirose R.

Clin Transplant. 2022 Jun;36(6):e14610.

[PubMed ID: [35143698](#)]

**The immunological effect of oxygen carriers on normothermic ex vivo liver perfusion.**

Jennings H, Carlson KN, Little C, Verhagen JC, Nagendran J, Liu Y, Verhoven B, Zeng W, McMorro S, Chlebeck P, Al-Adra DP.

Front Immunol. 2022 Jun 22;13:833243.

[PubMed ID: [35812402](#)]

**The presence of donor-specific antibodies around the time of pancreas graft biopsy with rejection is associated with an increased risk of graft failure.**

Parajuli S, Djamali A, Mandelbrot D, Aziz F, Radke N, Kaufman D, Odorico J.

Transplantation. 2022 Jun 1;106(6):e289-e296.

[PubMed ID: [35427295](#)]

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**VASCULAR SURGERY**

**Effects of ultrafine single-nanometer oxygen bubbles on radiation sensitivity in a tumor-bearing mouse model.**

Gombodorj N, Yokobori T, Mutsuki N, Erkhem-Ochir B, Okami H, Asao T, Saeki H, Shirabe K, Yamanouchi D.

Int J Mol Sci. 2022 Jun 20;23(12):6838.

[PubMed ID: [35743281](#)]

**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 Jun 23. Epub ahead of print.

[PubMed ID: [35734917](#)]

**The science of context: Transforming serious illness care through in situ observation.**

Kruser JM, Schwarze ML.

J Pain Symptom Manage. 2022 Jun;63(6):e651-e653.

[PubMed ID: [35595382](#)]

**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 ID: [35755099](#)]

**"You have to be sure that the patient has the full picture": Adaptation of the Best Case/Worst Case communication tool for geriatric oncology.**

Wong ML, Nicosia FM, Smith AK, Walter LC, Lam V, Cohen HJ, Loh KP, Mohile SG, Ursem CJ, Schwarze ML.

J Geriatr Oncol. 2022 Jun;13(5):606-613.

[PubMed ID: [35123919](#)]