



# Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

## APRIL 2022 PUBLICATIONS

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

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### **ACUTE CARE AND REGIONAL GENERAL SURGERY**

**From the cava to the chest: Partial anomalous pulmonary venous connection.**

Johnson HR, Couillard AB, Busch RA, Long MT.  
Am J Respir Crit Care Med. 2022 Apr 1;205(7):e14-e15.  
[PubMed ID: [34784494](#)]

**Quality of care for gallstone pancreatitis-The impact of the acute care surgery model and hospital-level operative resources.**

Murphy PB, Oslock WM, Ingraham AM, Ricci KB, Heh VK, Santry HP.  
J Gastrointest Surg. 2022 Apr;26(4):849-860.  
[PubMed ID: [34786665](#)]

**Which hospital-acquired conditions matter the most in trauma? An evidence-based approach for prioritizing trauma program improvement.**

Lee PT, Krecko LK, Savage S, O'Rourke AP, Jung HS, Ingraham A, Zarzaur BL, Scarborough JE.  
J Trauma Acute Care Surg. 2022 Apr 8. Epub ahead of print.  
[PubMed ID: [35393378](#)]

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### **CARDIOTHORACIC SURGERY**

**Evaluation of prescribing patterns following surgical procedures in opioid naïve patients at a Veterans Affairs teaching hospital.**

Chitwood C, Haug KL, Wenthur C, Gillis C, Maloney JD, Johnson D.  
Mil Med. 2022 Apr 22:usac106. Epub ahead of print.  
[PubMed ID: [35451478](#)]

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### **COLORECTAL SURGERY**

**Much to do about frailty.**

Berian JR, Wolf JH, Kunitake H.

Dis Colon Rectum. 2022 Apr 1;65(4):457-460.  
[PubMed ID: [35001045](#)]

**PI3K/mTOR inhibition prevents anal cancer in mice with established low-grade anal dysplasia.**  
Gunder LC, Moyer TH, Rademacher BL, Auyeng AS, Leverson G, Zhang W, Matkowskyj KA, Carchman EH.  
Exp Mol Pathol. 2022 Apr;125:104752.  
[PubMed ID: [35183509](#)]

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## **ENDOCRINE SURGERY**

**Corrigendum to The optimal dosing scheme for levothyroxine after thyroidectomy: A comprehensive comparison and evaluation [Surgery. 2019 Jan;165(1):92-98].**  
Zaborek NA, Cheng A, Imbus JR, Long KL, Pitt SC, Sippel RS, Schneider DF.  
Surgery. 2022 Apr 25:S0039-6060(22)00244-6. Epub ahead of print. Erratum for: Surgery. 2019 Jan;165(1):92-98.  
[PubMed ID: [35483991](#)]

**Physician perspectives of overdiagnosis and overtreatment of low-risk papillary thyroid cancer in the US.**  
Dedhia PH, Saucke MC, Long KL, Doherty GM, Pitt SC.  
JAMA Netw Open. 2022 Apr 1;5(4):e228722.  
[PubMed ID: [35467735](#)]

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

**Advances in organ preservation for laryngeal cancer.**  
Campbell G, Glazer TA, Kimple RJ, Bruce JY.  
Curr Treat Options Oncol. 2022 Apr;23(4):594-608.  
[PubMed ID: [35303749](#)]

**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. Epub 2022 Apr 22.  
[PubMed ID: [35469932](#)]

**Efficacy of cochlear implantation in neurofibromatosis type 2 related hearing loss.**  
Sobczak G, Marchant W, Misurelli S, Pyle GM, Gubbels S, Roche J.  
Ann Otol Rhinol Laryngol. 2022 Apr 21:34894221091010. Epub ahead of print.  
[PubMed ID: [35450430](#)]

**Glottic insufficiency in the vertical plane in patients with unknown-source unilateral vocal fold hypomobility.**  
Xu X, Wang Y, Silverman M, Liu L, Jiang JJ, Li X, Zhuang P.  
J Voice. 2022 Apr 22:S0892-1997(22)00098-4.  
[PubMed ID: [35469727](#)]

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## **PEDIATRIC SURGERY**

### **Does use of a feeding protocol change outcomes in gastroschisis? A report from the Midwest Pediatric Surgery Consortium.**

Dekonenko C, Fraser JD, Deans K, Fallat ME, Helmrath M, Kabre R, Leys CM, Burns RC, Corkum K, Dillon PA, Downard C, Wright TN, Gadepalli SK, Grabowski J, Hernandez E, Hirschl R, Johnson KN, Kohler J, Landman MP, Landisch RM, Lawrence AE, Mak GZ, Minneci P, Rymeski B, Sato TT, Slater BJ, Peter SSD.

Eur J Pediatr Surg. 2022 Apr;32(2):153-159.

[PubMed ID: [33368085](#)]

### **Outcomes and cost of medical and surgical treatments of pilonidal disease: A single institution's 10-year review.**

Janeck KC, Kenfield M, Arkin LM, Stalter L, Tabaro G, Leys CM, Le HD.

Surg Open Sci. 2022 Apr 20;9:41-45.

[PubMed ID: [35647503](#)]

### **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 Apr 12:S0022-3468(22)00267-6. Epub ahead of print.

[PubMed ID: [35501165](#)]

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## **PLASTIC SURGERY**

### **Clinical basis for creating an osseointegrated neural interface.**

Karczewski AM, Zeng W, Stratchko LM, Bachus KN, Poore SO, Dingle AM.

Front Neurosci. 2022 Apr 12;16:828593.

[PubMed ID: [35495044](#)]

### **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 Apr 30;277:211-223.

[PubMed ID: [35504149](#)]

### **The management of postsurgical pyoderma gangrenosum following breast surgery.**

Edinger KM, Rao VK.

Plast Reconstr Surg Glob Open. 2022 Apr 25;10(4):e4282.

[PubMed ID: [35494881](#)]

### **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 Apr 20. Epub ahead of print.

[PubMed ID: [35502938](#)]

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## **SURGICAL ONCOLOGY**

### **Feasibility of circulating tumor DNA analysis in dogs with naturally occurring malignant and benign splenic lesions.**

Favaro PF, Stewart SD, McDonald BR, Cawley J, Contente-Cuomo T, Wong S, Hendricks WPD, Trent JM, Khanna C, Murtaza M.

Sci Rep. 2022 Apr 15;12(1):6337.

[PubMed ID: [35428782](#)]

### **Imaging assessment of pancreatic cancer resectability after neoadjuvant therapy: AJR Expert Panel narrative review.**

Soloff EV, Al-Hawary MM, Dessler TS, Fishman EK, Minter RM, Zins M.

AJR Am J Roentgenol. 2022 Apr;218(4):570-581.

[PubMed ID: [34851713](#)]

### **Readmissions from venous thromboembolism after complex cancer surgery.**

Mallick S, Aiken T, Varley P, Abbott D, Tzeng CW, Weber S, Wasif N, Zafar SN.

JAMA Surg. 2022 Apr 1;157(4):312-320.

[PubMed ID: [35080619](#)]

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## **TRANSPLANTATION**

### **A third dose of SARS-CoV-2 vaccine increases neutralizing antibodies against variants of concern in solid organ transplant recipients.**

Karaba AH, Zhu X, Liang T, Wang KH, Rittenhouse AG, Akinde O, Eby Y, Ruff JE, Blankson JN, Abedon AT, Alejo JL, Cox AL, Bailey JR, Thompson EA, Klein SL, Warren DS, Garonzik-Wang JM, Boyarsky BJ, Sitaras I, Pekosz A, Segev DL, Tobian AAR, Werbel WA.

Am J Transplant. 2022 Apr;22(4):1253-1260.

[PubMed ID: [34951746](#)]

### **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 Apr 15. Epub ahead of print.

[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 Apr 3. Epub ahead of print.

[PubMed ID: [35373509](#)]

### **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, Montenegro MI.

Clin Transplant. 2022 Apr 1:e14659. Epub ahead of print.

[PubMed ID: [35362152](#)]

**Heterologous Ad.26.COV2.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 Apr 16:10.1111/ajt.17061. Epub ahead of print. [PubMed ID: [35429211](#)]

**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 Apr 7:10.1002/lt.26472. Epub ahead of print. [PubMed ID: [35389558](#)]

**The role of procurement biopsies in kidney acceptance decision making and kidney discard: Perceptions of physicians, nurse coordinators, and OPO staff and directors.**

Schantz K, Gordon EJ, Lee U, Rocha M, Friedewald J, Ladner DP, Becker Y, Formica R, Reese PP, Kaufman D, Barah M, Walker M, Mehrotra O, Viveros D, Mehrotra S. Transplant Direct. 2022 Mar 10;8(4):e1299. eCollection 2022 Apr. [PubMed ID: [35310603](#)]

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**VASCULAR SURGERY**

**Role of volume in small abdominal aortic aneurysm surveillance.**

Olson SL, Panthofer AM, Blackwelder W, Terrin ML, Curci JA, Baxter BT, Weaver FA, Matsumura JS; Non-Invasive Treatment of Abdominal Aortic Aneurysm Clinical Trial Investigators. J Vasc Surg. 2022 Apr;75(4):1260-1267.e3. [PubMed ID: [34655683](#)]

**The effect of diabetes on abdominal aortic aneurysm growth over 2 years.**

Nordness MJ, Baxter BT, Matsumura J, Terrin M, Zhang K, Ye F, Webb NR, Dalman RL, Curci JA. J Vasc Surg. 2022 Apr;75(4):1211-1222.e1. [PubMed ID: [34695550](#)]

**Treatment of carotid stenosis in asymptomatic, nonoctogenarian, standard risk patients with stenting versus endarterectomy trials.**

Matsumura JS, Hanlon BM, Rosenfield K, Voeks JH, Howard G, Roubin GS, Brott TG. J Vasc Surg. 2022 Apr;75(4):1276-1283.e1. [PubMed ID: [34695552](#)]

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**WISOR**

**Social justice and equity: Why older adults with cancer belong-A life course perspective.**

Yilmaz S, Sanapala C, Schiaffino MK, Schumacher JR, Wallington SF, McKoy JM, Canin B, Tang W, Tucker-Seeley RD, Simmons J, Gilmore N. Am Soc Clin Oncol Educ Book. 2022 Apr;42:1-13. [PubMed ID: [35649203](#)]