



# Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

## NOVEMBER 2022 PUBLICATIONS

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

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

**Lighting the way for necrosis excision through indocyanine green fluorescence-guided surgery.**

Zajac JC, Liu A, Uselmann AJ, Lin C, Hassan SE, Faucher LD, Gibson AL.

J Am Coll Surg. 2022 Nov 1;235(5):743-755. Epub 2022 Oct 17.

[Pub Med ID: [36102554](#)]

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### **CARDIOTHORACIC SURGERY**

**Consensus for thoracoscopic lower lobectomy: Essential components and targets for simulation.**

Erwin PA, Lee AC, Ahmad U, Antonoff M, Arndt A, Backhus L, Berry M, Birdas T, Cassivi SD, Chang AC, Cooke DT, Crabtree T, DeCamp M, Donington J, Fernandez F, Force S, Gaissert H, Hofstetter W, Huang J, Kent M, Kim AW, Lin J, Martin LW, Meyerson S, Mitchell JD, Molena D, Odell D, Onaitis M, Puri V, Putnam JB, Reddy R, Schipper P, Seder CW, Shrager J, Tong B, Veeramachaneni N, Watson T, Whyte R, Ferguson MK.

Ann Thorac Surg. 2022 Nov;114(5):1895-1901. Epub 2021 Oct 21.

[PubMed ID: [34688617](#)]

**Consequences of anastomotic leaks after minimally invasive esophagectomy: A single-center experience.**

Simitian GS, Hall DJ, Levenson G, Lushaj EB, Lewis EE, Musgrove KA, McCarthy DP, Maloney JD.

Surg Open Sci. 2022 Nov 17;11:26-32.

[PubMed ID: [36444286](#)]

**Systems of care factors should be considered in regionalization of congenital cardiac surgery.**

Anagnostopoulos PV, Cartmill RS, Yang Q, Schumacher JR, Fernandes-Taylor S, Hermsen JL, DeCamp MM.

Ann Thorac Surg. 2022 Nov 12:S0003-4975(22)01429-1. Epub ahead of print.

[PubMed ID: [36379268](#)]

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## **COLORECTAL SURGERY**

### **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 Nov;576:96-104. Epub 2022 Sep 29.

[PubMed ID: [36206607](#)]

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## **ENDOCRINE SURGERY**

### **A comparison of NSQIP and CESQIP in data quality and ability to predict thyroidectomy outcomes.**

Hsiao V, Kazaure HS, Drake FT, Inabnet WB 3rd, Rosen JE, Davenport DL, Schneider DF.

Surgery. 2023 Jan;173(1):215-225. Epub 2022 Nov 17.

[PubMed ID: [36402607](#)]

### **Enhancing surgical teaching effectiveness: A needs assessment study using a modified Delphi process.**

Colevas SM, Abramson GED, Jung SA, Elfenbein DM.

J Surg Res. 2022 Nov;279:557-566. doi: 10.1016/j.jss.2022.06.053. Epub 2022 Jul 31.

[PubMed ID: [35921722](#)]

### **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 Nov;88(11):2626-2632. Epub 2022 May 19.

[PubMed ID: [35591793](#)]

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## **MINIMALLY INVASIVE SURGERY**

### **Better than the real thing? Success of a virtual platform for an established "Train the Trainer" course.**

Shada AL, Sanchez J, Choi Y, Schwarz E, Paige JT, Dort J, Moudgill L, Bernier G.

Surg Endosc. 2022 Nov 18:1-9. Epub ahead of print.

[PubMed ID: [36401104](#)]

### **Gender differences in social support for diabetes self-management: A qualitative study among veterans.**

Gray KE, Silvestrini M, Ma EW, Nelson KM, Bastian LA, Voils CI.

Patient Educ Couns. 2023 Feb;107:107578. Epub 2022 Nov 23.

[PubMed ID: [36463824](#)]

### **Validating a self-reported medication nonadherence measure in the context of multiple chronic diseases and routes of medication administration among patients with type 2 diabetes.**

Voils CI, Gavin KL, Thorpe CT, Pabich SK, Reeve BB, Mian GJ, Faacks A, Kronish IM.

Patient Prefer Adherence. 2022 Nov 17;16:3119-3130.

[PubMed ID: [36419584](#)]

### **What do patients want to know about surgery for low-risk thyroid cancer? A qualitative study.**

Underwood HJ, Mott NM, Saucke MC, Roman BR, Voils CI, Pitt SC.  
Surgery. 2023 Jan;173(1):226-231. Epub 2022 Nov 3.  
[PubMed ID: [36336505](#)]

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

### **Bioenergetic evaluation of muscle fatigue in murine tongue.**

Glass TJ, Rowe LM, Cullen J, Connor NP.  
Dysphagia. 2022 Nov 19. Epub ahead of print.  
[PubMed ID: [36401630](#)]

### **Comparison between combination of resonant voice therapy and vocal hygiene education and vocal hygiene education only for female elementary school teachers.**

Liu H, Chen S, Gao L, Li J, Liu B, Raj H, Xie Q, Duan H, Jiang Z, Liu Y, Chen B, Liu Y, Jiang J.  
J Voice. 2022 Nov;36(6):814-822. Epub 2020 Oct 13.  
[PubMed ID: [33067118](#)]

### **Granulomatous inflammation causing severe supraglottic edema and airway obstruction in a pediatric patient.**

Colevas SM, Gietman BT, Cook SM, Kille TL.  
Ear Nose Throat J. 2022 Nov;101(9):NP375-NP378. Epub 2020 Nov 25.  
[PubMed ID: [33236923](#)]

### **Localization of TRPV3/4 and PIEZO1/2 sensory receptors in murine and human larynges.**

Foote AG, Tibbetts J, Bartley SM, Thibeault SL.  
Laryngoscope Investig Otolaryngol. 2022 Nov 2;7(6):1963-1972.  
[PubMed ID: [36544955](#)]

### **Patient characteristics and postoperative mortality in children undergoing tonsillectomy-Reply.**

Edmonson MB, Francis DO, Coller RJ.  
JAMA. 2022 Nov 1;328(17):1771.  
[PubMed ID: [36318136](#)]

### **Pediatric voice therapy: How many sessions to discharge?**

Fujiki RB, Thibeault SL.  
Am J Speech Lang Pathol. 2022 Nov 16;31(6):2663-2674. Epub 2022 Oct 5.  
[PubMed ID: [36198045](#)]

### **Piezo1-expressing vocal fold epithelia modulate remodeling via effects on self-renewal and cytokeratin differentiation.**

Foote AG, Lungova V, Thibeault SL.  
Cell Mol Life Sci. 2022 Nov 14;79(12):591.  
[PubMed ID: [36376494](#)]

### **Understanding attitudes, beliefs, behaviors, and barriers to hearing loss care among Hispanic adults and caregivers.**

Burnham R, Gamero Y, Misurelli S, Pinzon MM, Lor M.  
Hisp Health Care Int. 2022 Nov 14:15404153221137671. Epub ahead of print.  
[PubMed ID: [36377267](#)]

### **Validating four Hmong word recognition tests with normal-hearing bilingual Hmong individuals.**

Lor M, Richmond B, Ploch J, Brown R, Xiong B, O'Donnell E, Rao R.

Am J Audiol. 2022 Dec 5;31(4):1268-1278. Epub 2022 Nov 21.  
[PubMed ID: [36409962](#)]

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## **PEDIATRIC SURGERY**

### **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](#)]

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

Al-Hadidi A, Rinehardt HN, Sutthartarn 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 Nov 15;151(10):1696-1702. Epub 2022 Jul 14.  
[PubMed ID: [35748343](#)]

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## **PLASTIC SURGERY**

### **Top surgery in adolescents and young adults-Effective and medically necessary.**

Thadikonda KM, Gast KM.  
JAMA Pediatr. 2022 Nov 1;176(11):1071-1073.  
[PubMed ID: [36156634](#)]

### **USMLE Step 1 pass/fail is here: Are plastic surgery applicants really better off?**

Girard AO, Khoo KH, Lopez CD, Lake IV, Qiu C, Bentz ML, Taub PJ, Yang R.  
J Surg Educ. 2022 Nov 30:S1931-7204(22)00304-X. Epub ahead of print.  
[PubMed ID: [36463007](#)]

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## **SURGICAL ONCOLOGY**

### **ACR Appropriateness Criteria® evaluation of nipple discharge: 2022 update.**

Expert Panel on Breast Imaging, Sanford MF, Slanetz PJ, Lewin AA, Baskies AM, Bozzuto L, Branton SA, Hayward JH, Le-Petross HT, Newell MS, Scheel JR, Sharpe RE Jr, Ulaner GA, Weinstein SP, Moy L.  
J Am Coll Radiol. 2022 Nov;19(11S):S304-S318.  
[PubMed ID: [36436958](#)]

**Calcifications and cystic morphology on preoperative imaging predict survival after resection of pancreatic neuroendocrine tumors.**

Makris EA, Cannon JGD, Norton JA, Lopez-Aguilar AG, Dillhoff M, Beal E, Idrees K, Smith PM, Rocha FG, Kanji Z, Cho C, Beems M, Weber S, Fisher A, Krasnick BA, Fields RC, Maithel SK, Poultsides GA. *Ann Surg Oncol*. 2022 Nov 25. doi: 10.1245/s10434-022-12783-8. Epub ahead of print.  
[PubMed ID: [36434481](#)]

**Clinical trials that have informed the modern management of breast cancer.**

Krecko LK, Lautner MA, Wilke LG.

*Surg Oncol Clin N Am*. 2023 Jan;32(1):27-46. Epub 2022 Nov 3.

[PubMed ID: [36410920](#)]

**Factors associated with lost to follow up in patients with brain tumours: A multi-centre study in Pakistan.**

Khalid MU, Bajwa MH, Shah MM, Zafar SN, Laghari AA, Akhunzada NZ, Anis SB, Raghieb MF; Pakistan Brain Tumour Consortium, Siddiqi S, Enam SA; Pakistan Brain Tumour Consortium Group Names.

*J Pak Med Assoc*. 2022 Nov;72(Suppl 4)(11):S16-S24.

[PubMed ID: [36591623](#)]

**Impact of adjuvant therapy on outcomes after curative-intent resection for distal cholangiocarcinoma.**

Hou JJ, Maithel SK, Weber SM, Poultsides G, Wolfgang CL, Fields RC, He J, Scoggins C, Idrees K, Shen P, Zhang XF, Pawlik TM.

*J Surg Oncol*. 2022 Nov 17. Epub ahead of print.

[PubMed ID: [36394450](#)]

**Impact of preoperative jaundice and biliary drainage on short- and long-term outcomes among patients with gallbladder cancer.**

Xiang JX, Maithel SK, Weber SM, Poultsides G, Wolfgang C, Jin L, Fields RC, Weiss M, Scoggins C, Idrees K, Shen P, Zhang XF, Pawlik TM.

*J Gastrointest Surg*. 2022 Nov 14. Epub ahead of print.

[PubMed ID: [36376722](#)]

**Increasing socioeconomically disadvantaged patients' engagement in breast cancer surgery decision-making through a shared decision-making intervention (A231701CD): Protocol for a cluster randomised clinical trial.**

Schumacher JR, Zahrieh D, Chow S, Taylor J, Wills R, Hanlon BM, Rathouz PJ, Tucholka JL, Neuman HB.

*BMJ Open*. 2022 Nov 17;12(11):e063895.

[PubMed ID: [36396308](#)]

**Metastatic brain tumours in Pakistan: An epidemiological overview.**

Khalid MU, Shah MM, Bajwa MH, Zafar SN, Laghari AA, Anis SB, Raghieb MF, Akhunzada NZ; Pakistan Brain Tumour Consortium, Siddiqi S, Enam SA; Pakistan Brain Tumour Consortium Group Names.

*J Pak Med Assoc*. 2022 Nov;72(Suppl 4)(11):S68-S73.

[PubMed ID: [36591631](#)]

**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, Poultsides GA, Wolfgang C, Fields RC, He J, Scoggins C, Idrees K, Shen P, Endo I, Pawlik TM.

*Ann Surg Oncol*. 2022 Nov;29(12):7605-7614. Epub 2022 Jun 29.

[PubMed ID: [35768667](#)]

**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 Nov;24(11):1980-1988. Epub 2022 Jun 20.  
[PubMed ID: [35798655](#)]

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## **TRANSPLANTATION**

### **6-month antibody kinetics and durability after four doses of a SARS-CoV-2 vaccine in solid organ transplant recipients.**

Mitchell J, Chiang TP, Alejo JL, Kim JD, Chang A, Abedon AT, Avery RK, Tobian AAR, Levan ML, Warren DS, Garonzik-Wang JM, Segev DL, Massie AB, Werbel WA.  
Clin Transplant. 2022 Nov 27:e14868. Epub ahead of print.  
[PubMed ID: [36437691](#)]

### **A master surgical educator: The "intrinsic" factor of Dr. Paul Greig.**

Al-Adra DP, Barbas AS, Shah S, Molinari M.  
HPB (Oxford). 2022 Nov;24(11):1821-1822. Epub 2022 Aug 8.  
[PubMed ID: [36002362](#)]

### **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 Nov;36(11):e14818. Epub 2022 Sep 19.  
[PubMed ID: [36073912](#)]

### **Induction in pancreas transplantation: T-cell depletion versus IL-2 receptor blockade.**

Aziz F, Parajuli S, Kaufman D, Odorico J, Mandelbrot D.  
Transplant Direct. 2022 Nov 4;8(12):e1402.  
[PubMed ID: [36505900](#)]

### **Liver transplantation as a new standard of care in patients with perihilar cholangiocarcinoma? Results from an international benchmark study.**

Breuer E, Mueller M, Doyle MB, Yang L, Darwish Murad S, Anwar IJ, Merani S, Limkemann A, Jeddou H, Kim SC, López-López V, Nassar A, Hoogwater FJH, Vibert E, De Oliveira ML, Cherqui D, Porte RJ, Magliocca JF, Fischer L, Fondevila C, Zieniewicz K, Ramírez P, Foley DP, Boudjema K, Schenk AD, Langnas AN, Knechtle S, Polak WG, Taner CB, Chapman WC, Rosen CB, Gores GJ, Dutkowski P, Heimbach JK, Clavien PA.  
Ann Surg. 2022 Nov 1;276(5):846-853. Epub 2022 Jul 27.  
[PubMed ID: [35894433](#)]

### **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 Nov;28(11):1709-1715. Epub 2022 Jun 12.  
[PubMed ID: [35596660](#)]

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## **VASCULAR SURGERY**

**Best Case/Worst Case: Protocol for a multisite randomised clinical trial of a scenario planning intervention for patients with kidney failure.**

Haug K, Buffington A, Zelenski A, Hanlon BM, Stalter L, Kwekkeboom KL, Rathouz P, Bansal AD, Cheung K, Crews D, Frazier R, Koncicki H, Lam D, Moss A, Rao M, Wolfgram DF, Yi J, Brill C, Kendrick R, Campbell TC, Jhagroo R, Schwarze M.  
BMJ Open. 2022 Nov 3;12(11):e067258.  
[PubMed ID: [36328383](#)]

**Factors associated with provision of non-beneficial surgery: A national survey of surgeons.**

Zaza S 1st, Zimmermann CJ, Taylor LJ, Kalbfell EL, Stalter L, Brasel K, Arnold RM, Cooper Z, Schwarze ML.  
Ann Surg. 2022 Nov 24. Epub ahead of print.  
[PubMed ID: [36538626](#)]

**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 Nov;76(5):1141-1149.e3. Epub 2022 Jun 14.  
[PubMed ID: [35709864](#)]

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**OTHER**

**Impacts of a clinical research program for high school students from groups historically excluded from science and medicine.**

Krecko LK, Jung S.  
Health Equity. 2022 Nov 25;6(1):873-880.  
[PubMed ID: [36479185](#)]