



## Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

### DECEMBER 2022 PUBLICATIONS

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

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#### **CROSS-DIVISION COLLABORATIONS**

**Diagnostic accuracy of fine-needle biopsy in the detection of thyroid malignancy: A systematic review and meta-analysis.**

Hsiao V, Massoud E, Jensen C, Zhang Y, Hanlon BM, Hitchcock M, Arroyo N, Chiu AS, Fernandes-Taylor S, Alagoz O, Sundling K, LiVolsi V, Francis DO.

JAMA Surg. 2022 Dec 1;157(12):1105-1113.

[PubMed ID: [36223097](#)]

**Experiential learning of interdisciplinary care skills in surgery assessed from student reflections.**

Buzzard L, Stepp D, Eifenbein D, O'Rourke AP.

J Surg Res. 2023 Mar;283:783-792. Epub 2022 Dec 5.

[PubMed ID: [36470204](#)]

**Perspectives of Wisconsin providers on factors influencing receipt of post-mastectomy breast reconstruction.**

Dudley CM, Stankowski TJ, Tucholka JL, Schumacher JR, Poore SO, Neuman HB.

Clin Breast Cancer. 2022 Dec;22(8):840-846. Epub 2022 Jul 29.

[PubMed ID: [36008204](#)]

**Venous thromboembolism prophylaxis following colorectal surgery: A survey of American Society of Colon and Rectal Surgery (ASCRS) member surgeons.**

Aiken TJ, King R, Russell MM, Regenbogen SE, Lawson E, Zafar SN.

J Thromb Thrombolysis. 2022 Dec 1. Epub ahead of print.

[PubMed ID: [36454476](#)]

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

**Invited commentary: Moving the dial on outcomes for unplanned abdominal surgery.**

Ho VP, Ingraham AM, Santry HP.

J Am Coll Surg. 2023 Jan 1;236(1):218-219. Epub 2022 Dec 15.

[PubMed ID: [36519919](#)]

**Patients follow different financial hardship trajectories in the year after injury.**

Nishtala MV, Robbins SE, Savage S, Timsina LR, Murphy PB, Marka NA, Venkatesh M, Zarzaur BL. Ann Surg. 2022 Dec 1;276(6):959-966. Epub 2022 Mar 9. [PubMed ID: [36346893](#)]

**Pooled safety analysis of STRATA2011 and STRATA2016 clinical trials evaluating the use of StrataGraft® in patients with deep partial-thickness thermal burns.**

Holmes Iv JH, Cancio LC, Carter JE, Faucher LD, Foster K, Hahn HD, King BT, Rutan R, Smiell JM, Wu R, Gibson ALF. Burns. 2022 Dec;48(8):1816-1824. Epub 2022 Jul 28. [PubMed ID: [35941023](#)]

**Pre-existing anxiety and depression in injured older adults: An under-recognized comorbidity with major health implications.**

Ortiz D, Perkins AJ, Fuchita M, Gao S, Holler E, Meagher AD, Mohanty S, French DD, Lasiter S, Khan B, Boustani M, Zarzaur B. Ann Surg Open. 2022 Dec 7;3(4):e217. [PubMed ID: [36590891](#)]

**Simulation-based medical education: Development of an assessment tool for novice use.**

Ulrich SM, L'Huillier JC, Jung SA, Krecko LK, Rosser AA, Schulze AK, Liepert AE, O'Rourke AP. WMJ. 2022 Dec;121(4):316-322. [PubMed ID: [36637846](#)]

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**CARDIOTHORACIC SURGERY**

**Aortic arch replacement and autologous pericardial tracheal patch for an aorto-tracheal fistula.**

Musgrove KA, McCarthy D, de Biasi AR. J Card Surg. 2022 Dec;37(12):5472-5474. Epub 2022 Sep 23. [PubMed ID: [36150146](#)]

**Extracorporeal cardiopulmonary resuscitation: A narrative review and establishment of a sustainable program.**

Cassara CM, Long MT, Dollerschell JT, Chae F, Hall DJ, Demiralp G, Stampfl MJ, Bernardoni B, McCarthy DP, Glazer JM. Medicina (Kaunas). 2022 Dec 9;58(12):1815. [PubMed ID: [36557017](#)]

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**COLORECTAL SURGERY**

**Management of acute colonic pseudo-obstruction: What to do when the colon is doing nothing.**

Hayden DM. Dis Colon Rectum. 2022 Dec 1;65(12):1434-1435. Epub 2022 Oct 11. [PubMed ID: [36223454](#)]

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**ENDOCRINE SURGERY**

**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 Dec;280:169-178. Epub 2022 Aug 17.  
[PubMed ID: [35987166](#)]

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## **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 Dec;18(12):1357-1364. Epub 2022 Aug 22.  
[PubMed ID: [36123294](#)]

### **Development and initial validation of a systemic lupus erythematosus-specific measure of the extent of and reasons for medication nonadherence.**

Sun K, Coles TM, Voils CI, Anderson DR, Eudy AM, Sadun RE, Rogers JL, Criscione-Schreiber LG, Doss J, Maheswaranathan M, Clowse MEB.  
J Rheumatol. 2022 Dec;49(12):1341-1348. Epub 2022 Sep 1. Erratum in: J Rheumatol. 2023 Feb;50(2):296.  
[PubMed ID: [36243406](#)]

### **Multi-society consensus conference and guideline on the treatment of gastroesophageal reflux disease (GERD).**

Slater BJ, Collings A, Dirks R, Gould JC, Qureshi AP, Juza R, Rodríguez-Luna MR, Wunker C, Kohn GP, Kothari S, Carslon E, Worrell S, Abou-Setta AM, Ansari MT, Athanasiadis DI, Daly S, Dimou F, Haskins IN, Hong J, Krishnan K, Lidor A, Litle V, Low D, Petrick A, Soriano IS, Thosani N, Tyberg A, Velanovich V, Vilallonga R, Marks JM.  
Surg Endosc. 2022 Dec 18. Epub ahead of print.  
[PubMed ID: [36529851](#)]

### **Provider-supported self-management cognitive behavioral therapy for insomnia (Tele-Self CBTi): Protocol for a randomized controlled trial.**

Ulmer CS, Bosworth HB, Zervakis J, Goodwin K, Gentry P, Rose C, Jeffreys AS, Olsen MK, Weidenbacher HJ, Beckham JC, Voils CI.  
Contemp Clin Trials. 2023 Feb;125:107060. Epub 2022 Dec 22.  
[PubMed ID: [36567058](#)]

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

### **Adherence to clinical practice guidelines for treatment of Bell's Palsy.**

Ly N, Powers BR, Chaiet SR.  
WMJ. 2022 Dec;121(4):274-279.  
[PubMed ID: [36637837](#)]

### **Changes in ultrasonic vocalizations after unilateral cerebral ischemia in a rat stroke model.**

Cullins MJ, Lenell C, Ciucci MR, Connor NP.  
Behav Brain Res. 2023 Feb 15;439:114252. Epub 2022 Dec 8.  
[PubMed ID: [36496078](#)]

### **Climate change, the environment, and rhinologic disease.**

Kim J, Waugh DW, Zaitchik BF, Luong A, Bergmark R, Lam K, Roland L, Levy J, Lee JT, Cho DY, Ramanathan M, Baroody F, Takashima M, O'Brien D, Lin SY, Joe S, Chaaban MR, Butrymowicz A,

Smith S, Mullings W.  
Int Forum Allergy Rhinol. 2022 Dec 28. Epub ahead of print.  
[PubMed ID: [36575965](#)]

**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](#)]

**Patterns of failure for hypopharynx cancer patients treated with limited high-dose radiotherapy treatment volumes.**

Burr A, Harari P, Wieland A, Kimple R, Hartig G, Witek M.  
Radiat Oncol J. 2022 Dec;40(4):225-231. Epub 2022 Dec 2.  
[PubMed ID: [36456541](#)]

**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**

**Evaluating the risk of peri-umbilical hernia after sutured or sutureless gastroschisis closure.**

Fraser JA, Deans KJ, Fallat ME, Helmrath M, Kabre R, Leys CM, Markel TA, Dillon PA, Downard C, Wright TN, Gadepalli SK, Grabowski JE, Hirschl R, Johnson KN, Kohler JE, Landman MP, Mak GZ, Minneci PC, Rymeski B, Sato TT, Slater BJ, Peter SDS, Fraser JD; Midwest Pediatric Surgery Consortium.  
J Pediatr Surg. 2022 Dec;57(12):786-791. Epub 2022 Mar 26.  
[PubMed ID: [35450699](#)]

**Implications of tumor characteristics and treatment modality on local recurrence and functional outcomes in children with chest wall sarcoma: A Pediatric Surgical Oncology Research Collaborative Study.**

Harris CJ, Helenowski I, Murphy AJ, Mansfield SA, LaQuaglia MP, Heaton TE, Cavalli M, Murphy JT, Newman EA, Overmen RE, Kartal TT, Cooke-Barber J, Donaher A, Malek MM, Kalsi R, Kim ES, Zobel MJ, Goodhue CJ, Naik-Mathuria BJ, Jefferson IN, Roach JP, Mata C, Piché N, Joharifard S, Sultan S, Short SS, Meyers RL, Bleicher J, Le HD, Janek K, Bütter A, Davidson J, Aldrink JH, Richards HW, Tracy ET, Commander SJ, Fialkowski EA, Troutt M, Dasgupta R, Lautz TB.  
Ann Surg. 2022 Dec 1;276(6):e969-e975. Epub 2020 Nov 4.  
[PubMed ID: [33156070](#)]

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**PLASTIC SURGERY**

**A quality improvement study on the relationship between intranasal povidone-iodine and anesthesia and the nasal microbiota of surgery patients.**

Hammond EN, Kates AE, Putman-Buehler N, Watson L, Godfrey JJ, Brys N, Deblois C, Steinberger AJ, Cox MS, Skarlupka JH, Haleem A, Bentz ML, Suen G, Safdar N.  
PLoS One. 2022 Dec 9;17(12):e0278699.  
[PubMed ID: [36490265](#)]

**Abductor pollicis longus tendon abnormalities and release in children with congenital clasped thumb.**

Israel JS, Jeardeau TA, Tomhave WA, Moran SL.  
Hand (N Y). 2022 Dec 26:15589447221141475. Epub ahead of print.  
[PubMed ID: [36571390](#)]

**Beyond the green: Operative room initiatives in sustainability for enhanced surgical resident education.**

Zhang R, Gast K.  
Plast Reconstr Surg. 2022 Dec 13. Epub ahead of print.  
[PubMed ID: [36729729](#)]

**Commentary on: Quality and vitality of autologous fat grafts harvested by different techniques: A clinical comparison study.**

Larson JD.  
Aesthet Surg J. 2022 Dec 14;42(12):1425-1426.  
[PubMed ID: [35882528](#)]

**Cutaneous mucormycosis of the upper extremity: Case reports highlighting rapid diagnosis and management.**

Attaluri P, Soteropulos C, Kim N, Matloub H, Gander B.  
Ann Plast Surg. 2022 Dec 1;89(6):e18-e20.  
[PubMed ID: [36416689](#)]

**Efficacy of bone stimulators in large-animal models and humans may be limited by weak electric fields reaching fracture.**

Verma N, Le T, Mudge J, Nicksic PJ, Xistris L, Kasole M, Shoffstall AJ, Poore SO, Ludwig KA, Dingle AM.  
Sci Rep. 2022 Dec 16;12(1):21798.  
[PubMed ID: [36526728](#)]

**Experimental models and practical simulators for supermicrosurgery: An updated systematic review and meta-analysis.**

Escandón JM, Ciudad P, Poore SO, Mayer HF, Saha S, Morrison CS, Langstein HN, Manrique OJ.  
Plast Reconstr Surg. 2022 Dec 20. Epub ahead of print.  
[PubMed ID: [36729403](#)]

**Five hazardous attitudes in the operating room: The role of aviation culture and learning to fly safe.**

Garbuzov AE, Shaffrey EC, Poore SO.  
Plast Reconstr Surg. 2022 Dec 13. Epub ahead of print.  
[PubMed ID: [36729741](#)]

**Surprise billing legislation: Context and significance for plastic and reconstructive surgeons.**

Seitz J, Nicksic PJ, Rao VK.  
Plast Reconstr Surg. 2022 Dec 13. Epub ahead of print.  
[PubMed ID: [36729735](#)]

**Sushruta: The ultimate mentor - but what happened to his mentees?**

Attaluri P, Shaffrey E, Zhang R, Bentz ML, Gosain AK.  
Plast Reconstr Surg. 2022 Dec 26. Epub ahead of print.  
[PubMed ID: [36728810](#)]

**The relationship between neuropsychiatric diagnoses and revision surgery after breast**

## **reconstruction.**

Seitz AJ, Attaluri PK, Edalatpour A, Wood KL, Nkana ZH, Michelotti BF, Poore SO.  
Ann Plast Surg. 2022 Dec 1;89(6):615-621. Epub 2022 Aug 9.  
[PubMed ID: [36416685](#)]

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## **SURGICAL ONCOLOGY**

### **Do lymph node metastases matter in appendiceal cancer with peritoneal carcinomatosis? A US HIPEC Collaborative Study.**

Turner KM, Morris MC, Delman AM, Hanseman D, Johnston FM, Greer J, Walle KV, Abbott DE, Raof M, Grotz TE, Fournier K, Dineen S, Veerapong J, Maduekwe U, Kothari A, Staley CA, Maithel SK, Lambert LA, Kim AC, Cloyd JM, Wilson GC, Sussman JJ, Ahmad SA, Patel SH.  
J Gastrointest Surg. 2022 Dec;26(12):2569-2578. Epub 2022 Oct 18.  
[PubMed ID: [36258061](#)]

### **Incidence of radiation-associated sarcoma after breast-conserving surgery plus radiation.**

Wiener AA, Schumacher JR, Hanlon B, Anderson B, Neuman HB.  
J Surg Oncol. 2023 Mar;127(4):535-540. Epub 2022 Dec 7.  
[PubMed ID: [36477419](#)]

### **Influence of insurance status on the postoperative outcomes of cytoreductive surgery and HIPEC.**

Kubi B, Nudotor R, Fackche N, Rowe J, Cloyd JM, Ahmed A, Grotz TE, Fournier K, Dineen S, Veerapong J, Baumgartner JM, Clarke C, Patel SH, Dhar V, Lambert L, Abbott DE, Pokrzywa C, Raof M, Lee B, Zaidi MY, Maithel SK, Johnston FM, Greer JB.  
J Surg Oncol. 2023 Mar;127(4):706-715. Epub 2022 Dec 5.  
[PubMed ID: [36468401](#)]

### **Local/regional recurrence rates after breast conserving therapy in patients enrolled in legacy trials of the Alliance for Clinical Trials in Oncology (AFT-01).**

Schumacher JR, Wiener AA, Greenberg CC, Hanlon B, Edge SB, Ruddy KJ, Partridge AH, Le-Rademacher JG, Yu M, Vanness DJ, Yang DY, Havlena J, Strand C, Neuman HB.  
Ann Surg. 2022 Dec 14. Epub ahead of print.  
[PubMed ID: [36521077](#)]

### **Peritoneal recurrence after resection for stage I-III colorectal cancer: A population analysis.**

Aiken T, Hu CY, Uppal A, Francescatti AB, Fournier KF, Chang GJ, Zafar SN.  
J Surg Oncol. 2023 Mar;127(4):678-687. Epub 2022 Dec 15.  
[PubMed ID: [36519668](#)]

### **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 Dec;29(13):8653-8661. Epub 2022 Aug 26.  
[PubMed ID: [36018525](#)]

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## **TRANSPLANTATION**

**Analysis of individual components of frailty: Pre-transplant grip strength is the strongest predictor of post kidney transplant outcomes.**

Parajuli S, Astor BC, Lorden HM, O'Toole KA, Wallschlaeger RE, Breyer IC, Dodin B, Aziz F, Garonzik-Wang J, Mandelbrot DA.  
Clin Transplant. 2022 Dec;36(12):e14827. Epub 2022 Oct 13.  
[PubMed ID: [36166355](#)]

**Generation of anti-GD2 CAR macrophages from human pluripotent stem cells for cancer immunotherapies.**

Zhang J, Webster S, Duffin B, Bernstein MN, Steill J, Swanson S, Forsberg MH, Bolin J, Brown ME, Majumder A, Capitini CM, Stewart R, Thomson JA, Slukvin II.  
Stem Cell Reports. 2022 Dec 28:S2213-6711(22)00604-X. Epub ahead of print.  
[PubMed ID: [36638788](#)]

**Genetic engineering of immune evasive stem cell-derived islets.**

Sackett SD, Kaplan SJ, Mitchell SA, Brown ME, Burrack AL, Grey S, Huangfu D, Odorico J.  
Transpl Int. 2022 Dec 5;35:10817.  
[PubMed ID: [36545154](#)]

**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](#)]

**Local graft irradiation for acute, medication refractory transplant rejection of a pancreas alone graft: A case report.**

Morris BA, Alfson A, Davies G, Kaufman D, Bradley KA.  
Adv Radiat Oncol. 2023 Mar-Apr; 8(2): 101168. Epub 2022 Dec 30  
[PubMed ID: [36704191](#)]

**Multicenter study of racial and ethnic inequities in liver transplantation evaluation: Understanding mechanisms and 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 Dec;28(12):1841-1856. Epub 2022 Jul 28.  
[PubMed ID: [35726679](#)]

**Quantitative assessment of portal jump graft inflow following liver transplantation using 4D flow MRI.**

Kim SC, Bolognese AC, García-Rodríguez S, Aufhauser DD.  
Am J Transplant. 2022 Dec;22(12):3175-3177.  
[PubMed ID: [36458705](#)]

**The ethics of donation after circulatory death organ recovery: An overview of new considerations arising from procurement practice and policy changes.**

Thiessen C, Gordon EJ, Kelly B, Wall A.  
Curr Opin Organ Transplant. 2022 Dec 28. Epub ahead of print.  
[PubMed ID: [36580376](#)]

**The John S Najarian Symposium: The past, present and future of surgery and transplantation, May 20, 2022, Minneapolis MN.**

Knatterud ME, Simmons RL, Payne W, Stock P, Chavers B, Ascher N, Kaufman D, Kirk A, Keshavjee S, Humar A, Ganesh S, Hughes C, Matas AJ, Kandaswamy R.  
Clin Transplant. 2022 Dec 18:e14877. Epub ahead of print.  
[PubMed ID: [36528870](#)]



**Transplantation amid a pandemic: The fall and rise of kidney transplantation in the United States.**

Bisen SS, Zeiser LB, Boyarsky B, Werbel W, Snyder J, Garonzik-Wang J, Levan ML, Segev DL, Massie AB.

Transplant Direct. 2022 Dec 12;9(1):e1423.

[PubMed ID: [36582674](#)]

**What is hot and new in basic and translational science in liver transplantation in 2022? Report of the Basic and Translational Research Committee of the International Liver Transplantation Society.**

Bhat M, Dondossola D, Varghese R, Czigany Z, Emamaullee J, Ghinolfi D, Al-Adra D, Bonaccorsi-Riani E, Pang L, Boteon YL, Brüggewirth I, Pavan-Guimaraes J, Ho CM, Yuksel M, Zarrinpar A, Abdelrahim M, Barbas AS, Mas V, Selzner M, Martins PN.

Transplantation. 2022 Dec 23. Epub ahead of print.

[PubMed ID: [36550624](#)]

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**VASCULAR SURGERY**

**Direct oral anticoagulants decrease treatment failure for acute lower extremity deep venous thrombosis.**

Hekman KE, Chao CL, Morgan CE, Helenowski IB, Eskandari MK.

Vascular. 2022 Dec;30(6):1199-1204. Epub 2021 Sep 26.

[PubMed ID: [34569367](#)]

**Effect of preservation of antegrade hypogastric flow on development of claudication following aortoiliac aneurysm repair.**

Bennett KM, Hurley L, Kyriakides TC, Yi JA, Freischlag JA, Matsumura JS; OVER Investigator Group. J Vasc Surg. 2022 Dec 22:S0741-5214(22)02644-1. Epub ahead of print.

[PubMed ID: [36565778](#)]

**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 Dec;64(6):639-645. Epub 2022 Aug 13.

[PubMed ID: [35970335](#)]

**Surgeon learning curve and clinical outcomes of minimally invasive anterior lumbar interbody fusion with posterior percutaneous instrumentation.**

Mirza MZ, Olson SL, Panthofer AM, Matsumura JS, Williams SK.

J Am Acad Orthop Surg Glob Res Rev. 2022 Dec 5;6(12):e22.00207.

[PubMed ID: [36732304](#)]

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