



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

APRIL 2024 PUBLICATIONS

Congratulations to all department members whose research was published in April 2024! The following list is organized by division within the Department of Surgery.

CROSS-DIVISION COLLABORATIONS

HSR24-127: Rectal cancer disparities in age and overall survival among American Indian and Alaska Native vs Non-Hispanic White populations.

Kelley BS, Walker MR, Hampton JM, Zafar SN, Carroll CB, Hayden D, Schiefelbein A, Thompson BB, LoConte NK.

J Natl Compr Canc Netw. 2024;22(2.5):HSR24-127.

[PubMed ID: [38579795](#)]

ACUTE CARE AND REGIONAL GENERAL SURGERY

A mediation analysis examining high risk, anticholinergic medication use, delirium, and dementia after major surgery.

Mohanty S, Lindroth H, Timsina L, Holler E, Jenkins P, Ortiz D, Hur J, Gillio A, Zarzaur B, Boustani M. J Surg Res. 2024 Apr 15;298:222-229. Epub ahead of print.

[PubMed ID: [38626720](#)]

Management of pelvic trauma.

Baker JE, Werner NL, Burlew CC.

Surg Clin North Am. 2024 Apr;104(2):367-384. Epub 2023 Nov 22.

[PubMed ID: [38453308](#)]

Single-cell transcriptional landscape of temporal neutrophil response to burn wound in larval zebrafish.

Hou Y, Khatri P, Rindy J, Schultz Z, Gao A, Chen Z, Gibson AL, Huttenlocher A, Dinh HQ. bioRxiv [Preprint]. 2024 Apr 2:2024.04.01.587641.

[PubMed ID: [38617269](#)]

Subtotal cholecystectomy with omental pedicle plug for the challenging gallbladder: A case report and review of the literature.

Stellon MA, Fleming CJ, Scarborough JE.

Clin Case Rep. 2024 Apr 15;12(4):e8757.

[PubMed ID: [38623356](#)]

Surgical management of upper gastrointestinal bleeding.

Soldner T, Bakke K, Savage S.

Gastrointest Endosc Clin N Am. 2024 Apr;34(2):301-316. Epub 2023 Oct 3.

[PubMed ID: [38395485](#)]

What is slough? Defining the proteomic and microbial composition of slough and its implications for wound healing.

Townsend EC, Cheong JZA, Radzietza M, Fritz B, Malone M, Bjarnsholt T, Ousey K, Swanson T, Schultz G, Gibson ALF, Kalan LR.

Wound Repair Regen. 2024 Apr 1. Epub ahead of print.

[PubMed ID: [38558438](#)]

CARDIOTHORACIC SURGERY

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

Rokkas CK.

J Thorac Cardiovasc Surg. 2024 Apr;167(4):1214-1215. Epub 2022 Aug 10.

[PubMed ID: [36038384](#)]

COLORECTAL SURGERY

Commonly drawn immunologic and inflammatory markers as risk predictors for anal cancer in veterans living with HIV.

Stem J, Hewitt AJ, Yang Q, Sanger CB.

J Low Genit Tract Dis. 2024 Apr 24. Epub ahead of print.

[PubMed ID: [38661377](#)]

Targeted mesenteric approaches to ileocolic Crohn's disease: A promising operative approach.

Sanger CB.

Am J Surg. 2024 Apr;230:14-15. Epub 2023 Dec 10.

[PubMed ID: [38104022](#)]

ENDOCRINE SURGERY

Disparities in the treatment of primary hyperparathyroidism: A scoping review and conceptual model.

Chiu AS, Schears M, Hitchcock M, Sippel R, Kind A.

Am J Surg. 2024 Apr 16:S0002-9610(24)00227-7. Epub ahead of print.

[PubMed ID: [38653710](#)]

Results of a novel intervention to increase rates of diagnosis and treatment of primary hyperparathyroidism.

Lunardi N, Meier J, Stevens A, Milburn J, Oo Y, Hathiramani S, Soe K, Balentine C.

Am J Surg. 2024 Apr 27:S0002-9610(24)00266-6. Epub ahead of print.

[PubMed ID: [38755025](#)]

MINIMALLY INVASIVE SURGERY

A low-burden, self-weighting intervention to prevent weight gain in adults with obesity who do not enroll in comprehensive treatment.

McVay MA, Carrera Seoane M, Rajoria M, Dye M, Marshall N, Muenyi S, Alkanderi A, Scotti KB, Ruiz J, Voils CI, Ross KM.

Obes Sci Pract. 2024 Mar 20;10(2):e745.

[PubMed ID: [38510333](#)]

Exploring social support dynamics after bariatric surgery: Insights from patients and providers.

Jawara D, Alagoz E, Lauer KV, Voils CI, Funk LM.

J Surg Res. 2024 Apr 26;299:1-8. Epub ahead of print.

[PubMed ID: [38677002](#)]

GERD after bariatric surgery: A review of the underlying causes and recommendations for management.

Pletch A, Lidor A.

Curr Gastroenterol Rep. 2024 Apr;26(4):99-106. Epub 2024 Feb 14.

[PubMed ID: [38353898](#)]

Healthy outcomes through peer educators: Feasibility of a peer support diabetes prevention programme for African-American grandmother caregivers.

Vivian EM, Chewning BA, Voils CI, Brown RL.

Diabetes Obes Metab. 2024 Apr 3. Epub ahead of print.

[PubMed ID: [38567410](#)]

Metabolic surgery for diabetes management.

Kindel TL, Funk LM, Ghaferi AA.

JAMA Surg. 2024 Apr 3. Epub ahead of print.

[PubMed ID: [38568511](#)]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

Diagnostic utility of spirometry for children with induced laryngeal obstruction or chronic non-specific cough.

Fujiki RB, Thibeault SL.

Am J Otolaryngol. 2024 Apr 23;45(4):104316. Epub ahead of print.

[PubMed ID: [38677150](#)]

Evaluating hearing status and word recognition ability in the Hmong population using four validated monosyllabic White Hmong dialect word recognition tests.

Lor M, O'Donnell E, Brown R, Mravec AE, Misurelli SM.

Am J Audiol. 2024 Apr 22:1-10. Epub ahead of print.

[PubMed ID: [38648533](#)]

PEDIATRIC SURGERY

Diagnostic performance of magnetic resonance imaging for pediatric ovarian neoplasms: A multi-institutional review.

Bergus KC, 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, Leys CM, Mak GZ, Markel TA, Merchant N, Overman RE, Rademacher BL, Raiji MT, Rymeski B, Sato TT, Wright T, Aldrink JH, Hewitt GD, Minneci PC, Deans KJ; Midwest Pediatric Surgery Consortium.
J Pediatr Adolesc Gynecol. 2024 Apr;37(2):192-197. Epub 2023 Nov 25.
[PubMed ID: [38008283](#)]

Neonatal rhabdoid tumor presenting as feeding intolerance and vomiting: A case report.

Stellon M, Joshi D, Lee-Miller C, Brinkman A.
Pediatr Blood Cancer. 2024 Jul;71(7):e31013. Epub 2024 Apr 11.
[PubMed ID: [38605545](#)]

Observed rates of surgical instrument errors point to visualization tasks as being a critically vulnerable point in sterile processing and a significant cause of lost chargeable OR minutes.

Nichol PF, Saari MJ, Navas N, Aguilar D, Bliesner RK, Brunner PJ, Caceres JC, Chen M, VanDommelen AR, Fischer M, Garcha S, Ghawas EA, Hackinson GR, Hitzeman A, Jabbour M, Jentsch AM, Kurth MM, Leyden M, Luo Q, McGrain AC, Nytes G, O'Brien OR, Philavong JK, Villegas N, Walsh SR, Wisdorf SS.
BMC Surg. 2024 Apr 15;24(1):110.
[PubMed ID: [38622597](#)]

Survival outcomes in pediatric patients with metastatic Ewing sarcoma who achieve a rapid complete response of pulmonary metastases.

Reiter AJ, Huang L, Craig BT, Davidoff AM, Talbot LJ, Coggins J, Smith J, Aldrink JH, Bergus KC, MacArthur TA, Polites SF, Boehmer C, Brungardt J, Malek MM, Rinehardt HN, Kastenberg ZJ, Arkin CM, Gourmel A, Piche N, Wallace M, Liang J, Lovvorn HN 3rd, Petroze RT, Gillies G, Marquart JP, Beckett K, Le HD, Favela J, Rich BS, Glick RD, Seemann NM, Davidson J, Wilson CA, Roach J, Brown EG, Doyle KE, Coakley BA, Emengo P, Merola P, Grant CN, Tirumani A, Tracy ET, Moya-Mendez ME, Dasgupta R, Lautz TB; Pediatric Surgical Oncology Research Collaborative.
Pediatr Blood Cancer. 2024 Jul;71(7):e31026. Epub 2024 Apr 28.
[PubMed ID: [38679864](#)]

Using preference cards to support a thoughtful, evidence-based orthopaedic surgery practice.

Bellaire LL, Nichol PF, Noonan K, Shea KG.
J Am Acad Orthop Surg. 2024 Apr 1;32(7):287-295. Epub 2024 Feb 20.
[PubMed ID: [38373406](#)]

PLASTIC SURGERY

A systematic review of patient regret after surgery- A common phenomenon in many specialties but rare within gender-affirmation surgery.

Thornton SM, Edalatpour A, Gast KM.
Am J Surg. 2024 Apr 24:S0002-9610(24)00238-1. Epub ahead of print.
[PubMed ID: [38688814](#)]

Can lasers attract and retain patients in a plastic surgery practice? An academic cosmetic clinic experience.

Edalatpour A, Wirth PJ, Attaluri P, Stalter LN, Shaffrey EC, Afifi AM.
Facial Plast Surg Aesthet Med. 2024 Apr 11. Epub ahead of print.
[PubMed ID: [38603573](#)]

Invited discussion on: Serial comparison of patient-reported outcomes of immediate breast reconstruction: Direct-to-implant versus deep inferior epigastric perforator flap.

Maisner RS, Afifi AM.

Aesthetic Plast Surg. 2024 Apr;48(7):1362-1364. Epub 2023 Oct 16.

[PubMed ID: [37845549](#)]

Predicting nipple necrosis with a "lights-on" indocyanine green imaging system: A report of two patients.

Shaffrey EC, Moura SP, Jupitz S, Seets T, Kawahara T, Uselmann A, Lin C, Poore SO.

Arch Plast Surg. 2024 Apr 4;51(3):337-341. doi: 10.1055/s-0043-1777068.

[PubMed ID: [38737846](#)]

Surgical management of adult acquired buried penis syndrome: A systematic review of patient-reported outcome instruments.

Thornton SM, Seitz AJ, Edalatpour A, Poore SO.

J Plast Reconstr Aesthet Surg. 2024 Apr;91:181-190. Epub 2024 Feb 6.

[PubMed ID: [38422919](#)]

The role of vascularized bone grafting for scaphoid nonunions in adolescents.

Israel JS, Bishop AT, Shin AY, Pulos N.

J Hand Surg Eur Vol. 2024 Apr 25:17531934241247279. Epub ahead of print.

[PubMed ID: [38663874](#)]

SURGICAL ONCOLOGY

A four-arm randomized clinical trial of topical pain control for sentinel node radiotracer injections in patients with breast cancer.

Wiener AA, Schumacher JR, Perlman SB, Wilke LG, Lautner MA, Bozzuto LM, Hanlon BM, Neuman HB.

Ann Surg Oncol. 2024 Apr 1. Epub ahead of print.

[PubMed ID: [38557909](#)]

Beyond borders: Insights from the Society of Surgery for the Alimentary Tract Junior Surgeon Travel Exchange Program.

Szor DJ, Zafar SN, Weber S, Ribeiro U Jr.

J Gastrointest Surg. 2024 Apr 3:S1091-255X(24)00399-8. Epub ahead of print.

[PubMed ID: [38579931](#)]

Nanodrug-bacteria conjugates-mediated oncogenic collagen depletion enhances immune checkpoint blockade therapy against pancreatic cancer.

Li Z, Mo F, Guo K, Ren S, Wang Y, Chen Y, Schwartz PB, Richmond N, Liu F, Ronnekleiv-Kelly SM, Hu Q.

Med. 2024 Apr 12;5(4):348-367.e7. Epub 2024 Mar 22.

[PubMed ID: [38521069](#)]

The overlooked factor: The impact of disability on postoperative complications after emergency general surgery procedures surgery.

Sigler G, Abbott DE.

Surgery. 2024 Apr 12:S0039-6060(24)00151-X. Epub ahead of print.

[PubMed ID: [38614910](#)]

Validity of entrustable professional activities in a national sample of general surgery residency programs.

Montgomery KB, Mellinger JD, Jones A, McLeod MC, Zmijewski P, Sarosi GA Jr, Brasel KJ, Klingensmith ME, Minter RM, Buyske J, Lindeman B.
J Am Coll Surg. 2024 Apr 1;238(4):376-384. Epub 2024 Mar 15.
[PubMed ID: [38224150](#)]

TRANSPLANTATION

An eye for an eye?: Problematic risk-benefit trade-offs in whole eye transplantation.

Weinlander E, Erb B, Thiessen C.
Am J Bioeth. 2024 May;24(5):75-79. Epub 2024 Apr 18.
[PubMed ID: [38635428](#)]

Differential effects of HDAC6 inhibition versus knockout during hepatic ischemia-reperfusion injury highlight importance of HDAC6 C-terminal zinc-finger ubiquitin-binding domain.

Concors SJ, Hernandez PT, O'Brien C, DePaolo J, Murken DR, Aufhauser DD, Wang Z, Xiong Y, Krumeich L, Ge G, Beier UH, Bhatti TR, Kozikowski AP, Avelar LAA, Kurz T, Hancock WW, Levine MH.
Transplantation. 2024 Apr 30. Epub ahead of print.
[PubMed ID: [38685198](#)]

Donor electrocardiogram associations with cardiac dysfunction, heart transplant use, and survival: The Donor Heart Study.

Tapaskar N, Wayda B, Malinoski D, Luikart H, Groat T, Nguyen J, Belcher J, Nieto J, Neidlinger N, Salehi A, Geraghty PJ, Nicely B, Jendrisak M, Pearson T, Wood RP, Zhang S, Weng Y, Zaroff J, Khush KK.
JACC Heart Fail. 2024 Apr;12(4):722-736. Epub 2024 Jan 17.
[PubMed ID: [38244008](#)]

Incidence, risk factors, and outcomes of posttransplant erythrocytosis among simultaneous pancreas-kidney transplant recipients.

Gibes ML, Astor BC, Odorico J, Mandelbrot D, Parajuli S.
Transplant Direct. 2024 Mar 7;10(4):e1607.
[PubMed ID: [38464426](#)]

Novel tools for the study of HLA Class II cross-isotype pairings.

Hidalgo LG.
Transplantation. 2024 May 1;108(5):1058-1059. Epub 2024 Apr 24.
[PubMed ID: [38659116](#)]

US liver transplant outcomes after normothermic regional perfusion vs standard super rapid recovery.

Brubaker AL, Sellers MT, Abt PL, Croome KP, Merani S, Wall A, Abreu P, Alebrahim M, Baskin R, Bohorquez H, Cannon RM, Cederquist K, Edwards J, Huerter BG, Hobeika MJ, Kautzman L, Langnas AN, Lee DD, Manzi J, Nassar A, Neidlinger N, Nydam TL, Schnickel GT, Siddiqui F, Suah A, Taj R, Taner CB, Testa G, Vianna R, Vyas F, Montenovio MI.
JAMA Surg. 2024 Apr 3:e240520. Epub ahead of print.
[PubMed ID: [38568597](#)]

VASCULAR SURGERY

Development and validation of a novel endovascular thrombectomy device to treat deep vein thrombosis: a preclinical study in a swine model.

Yamanouchi D.

Surg Today. 2024 Apr;54(4):382-386. Epub 2023 Nov 8.

[PubMed ID: [37938389](#)]

Language in bioethics: Beyond the representational view.

Clapp JT, Kruser JM, Schwarze ML, Hadler RA.

Am J Bioeth. 2024 Apr 16:1-13. Epub ahead of print.

[PubMed ID: [38626326](#)]
