



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

JUNE 2024 PUBLICATIONS

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

CROSS-DIVISION COLLABORATIONS

Implementation of a perioperative registry in Ethiopia to enhance surgical quality improvement.

Jaraczewski TJ, Abebe BM, Diehl T, Esayas T, Melaku W, Nigussie Y, Ahmed KS, Vo T, Lee M, Woisha B, Woldegiorgis ET, Chen TH, Tegene BA, Belachew AG, Dodgion C, Iverson KR, Tefera G, Zafar SN.

World J Surg. 2024 Jun 6. Epub ahead of print.

[PubMed ID: [38844403](#)]

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 Jun;298:222-229. Epub 2024 Apr 15.

[PubMed ID: [38626720](#)]

Factors associated with pelvic infection after pre-peritoneal pelvic packing for hemodynamically unstable pelvic fractures.

Baker JE, Ladhani HA, McCall C, Horwood CR, Werner NL, Platnick B, Cothren Burlew C. Surg Infect (Larchmt). 2024 Jun;25(5):399-406. Epub 2024 May 14.

[PubMed ID: [38752886](#)]

Fever and infections in surgical intensive care: An American Association for the Surgery of Trauma Critical Care Committee clinical consensus document.

Nohra E, Appelbaum RD, Farrell MS, Carver T, Jung HS, Kirsch JM, Kodadek LM, Mandell S, Nassar AK, Pathak A, Paul J, Robinson B, Cuschieri J, Stein DM.

Trauma Surg Acute Care Open. 2024 Jun 3;9(1):e001303.

[PubMed ID: [38835635](#)]

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 ALF, Huttenlocher A, Dinh HQ.

J Immunol. 2024 Jun 26;ji2400149. Epub ahead of print.
[PubMed ID: [38922186](#)]

CARDIOTHORACIC SURGERY

Four-dimensional flow magnetic resonance imaging demonstrates near normalization of aortic flow after the Ross procedure.

Stellon MA, Rice JP, Gober LM, Hermsen JL, Anagnostopoulos PV, Roldán-Alzate A.
JTCVS Tech. 2024 Mar 13;25:117-119.
[PubMed ID: [38899071](#)]

COLORECTAL SURGERY

Monitoring immune recovery on HIV therapy: Critical, helpful, or waste of money in the current era?

Gergen M, Hewitt A, Sanger CB, Striker R.
AIDS. 2024 Jun 1;38(7):937-943. Epub 2024 Feb 1.
[PubMed ID: [38310348](#)]

ENDOCRINE SURGERY

Medical maximizing preferences and beliefs about cancer among US adults.

Chiu AS, Hoxha I, Jensen CB, Saucke MC, Pitt SC.
JAMA Netw Open. 2024 Jun 3;7(6):e2417098.
[PubMed ID: [38874925](#)]

The persistent benefits of decreasing default pill counts for postoperative narcotic prescriptions.

Coppersmith N, Sznol J, Esposito A, Flom E, Chiu A, Yoo P.
PLoS One. 2024 Jun 4;19(6):e0304100.
[PubMed ID: [38833500](#)]

The risks of failed nonoperative management of appendicitis in older adults.

Lunardi N, Marten E, Sharath S, Kougias P, Pham TH, Balentine CJ.
Am J Surg. 2024 Jun;232:112-117. Epub 2024 Jan 29.
[PubMed ID: [38320887](#)]

MINIMALLY INVASIVE SURGERY

Adverse event comparison between glucagon-like peptide-1 receptor agonists and other antiobesity medications following bariatric surgery.

Samuels JM, Niswender KD, Roumie CL, Spann MD, Flynn CR, Ye F, Blankush J, Irlmeier R, Funk LM, Patel MB.
Diabetes Obes Metab. 2024 Jun 27. Epub ahead of print.
[PubMed ID: [38934217](#)]

Metabolic surgery for diabetes management.

Kindel TL, Funk LM, Ghaferi AA.
JAMA Surg. 2024 Jun 1;159(6):602-603.
[PubMed ID: [38568511](#)]

The TOTAL trial for weight management participation: A randomized controlled trial protocol.

Funk LM, Williams CB, Breuer CR, Hetzel S, LaSage SC, Villasenor CJ, Moin T, Cook J, Sampene E, Stroupe KT, Alagoz E, Raffa SD, Voils CI.
Contemp Clin Trials. 2024 Jun 22;144:107611. Epub ahead of print.
[PubMed ID: [38914310](#)]

OTOLARYNGOLOGY-HEAD & NECK SURGERY

A chaotic approach to glottal gap voice.

Smereka KA, Johnson C, Guastello AQ, Moreira EA, Madhushankar A, Jiang JJ.
J Voice. 2024 Jun 16:S0892-1997(24)00166-8. Epub ahead of print.
[PubMed ID: [38886137](#)]

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 Jun 4;33(2):311-320. Epub 2024 Apr 22.
[PubMed ID: [38648533](#)]

Impact of obesity on timing of tracheotomy: A multi-institutional retrospective study.

Yousef A, Soliman SI, Solomon I, Panuganti BA, Francis DO, Pang J, Klebaner D, Asturias A, Alattar A, Wood S, Terry M, Bryson PC, Tipton CB, Zhao EE, O'Rourke A, Santa Maria C, Grimm DR, Sung CK, Lao WP, Thompson JM, Crawley BK, Rosen S, Berezovsky A, Kupfer R, Hennesy TB, Clary M, Joseph IT, Sarhadi K, Kuhn M, Abdel-Aty Y, Kennedy MM, Lott DG, Weissbrod PA.
Laryngoscope. 2024 Jun 19. Epub ahead of print.
[PubMed ID: [38895915](#)]

Single-cell view into the role of microbiota shaping host immunity in the larynx.

An R, Ni Z, Xie E, Rey FE, Kendziorowski C, Thibeault SL.
iScience. 2024 May 31;27(6):110156.
[PubMed ID: [38974468](#)]

The manometric representation of the upper esophageal sphincter during the resting state: A descriptive study.

Colevas SM, Stalter LN, Jones CA, McCulloch TM.
Dysphagia. 2024 Jun;39(3):348-359. Epub 2023 Aug 24.
[PubMed ID: [37620520](#)]

Voice disorder prevalence and vocal health characteristics in children.

Fujiki RB, Thibeault SL.
JAMA Otolaryngol Head Neck Surg. 2024 Jun 20:e241516. Epub ahead of print.
[PubMed ID: [38900441](#)]

PEDIATRIC SURGERY

Clinical signs as a guide for esophagram after esophageal atresia/tracheoesophageal fistula repair.

Joshi D, Stellon M, Park KY, Hellner J, Le HD.
J Surg Res. 2024 Jun 20;301:18-23. Epub ahead of print.
[PubMed ID: [38905769](#)]

Management of twin reversed arterial perfusion (TRAP) sequence with microwave ablation: A case report and review of the literature.

Stellon MA, Joshi DS, Beninati M, Antony KM, Bohrer J, Hinshaw JL, Monroe E, Winchester C, Lobeck I.
J Clin Ultrasound. 2024 Jun 28. Epub ahead of print.
[PubMed ID: [38940580](#)]

The use and timing of angioembolization in pediatric blunt liver and spleen injury.

Naiditch JA, Notrica DM, Sayrs LW, Linnaus M, Stottlemire R, Garcia NM, Lawson KA, Cohen AS, Letton RW, Johnson J, Maxson RT, Eubanks JW 3rd, Ryan M, Alder A, Ponsky TA, St Peter SD, Bhatia AM, Leys CM.
J Trauma Acute Care Surg. 2024 Jun 1;96(6):915-920. Epub 2024 Jan 9.
[PubMed ID: [38189680](#)]

PLASTIC SURGERY

Can electrical stimulation prevent recurrence of keloid scars: A scoping review.

George RE, Bay CC, Thornton SM, Knazze JT, Kane NC, Donnelly AT, Ludwig KA, Poore SO, Dingle AM.
Adv Wound Care (New Rochelle). 2024 Jun 18. Epub ahead of print.
[PubMed ID: [38888004](#)]

From tip of brush to tip of knife: The relationship between post-mastectomy breast reconstruction and the classical arts.

Wood Matabele KL, Nkana ZH, Seitz AJ, Edalatpour A, Mahajan AY, Poore SO.
Aesthet Surg J. 2024 Jun 14;44(7):716-721.
[PubMed ID: [38323872](#)]

Geospatial and socioeconomic factors interact to predict management and outcomes in cleft lip and palate surgery: A single institution study of 740 patients.

Villavisanis DF, Wagner CS, Morales CZ, Smith TE, Blum JD, Cho DY, Bartlett SP, Taylor JA, Swanson JW.
Cleft Palate Craniofac J. 2024 Jun;61(6):921-929. Epub 2023 Feb 19.
[PubMed ID: [36802891](#)]

Letter to the Editor in response to: "Surgical management of acquired buried penis and scrotal lymphedema: A retrospective review".

Thornton SM, Seitz AJ, Eftekari SC, Grimes MD, Williams DH 4th, Poore SO.
J Plast Reconstr Aesthet Surg. 2024 Jun 5;95:33-34. Epub ahead of print.
[PubMed ID: [38870672](#)]

Reduction cranioplasty for hydrocephalic macrocephaly: A systematic review of surgical outcomes.

Moura SP, Center AD, Kalluri M, Blum J, Shaffrey EC, Lee S, Ng JJ, Iskandar BJ, Garland CB, Cho DY.
J Neurosurg Pediatr. 2024 Jun 21:1-13. Epub ahead of print.
[PubMed ID: [38905711](#)]

Use of ambient light compatible fluorescence-guided surgical technology for objective assessment of flap perfusion in autologous breast reconstruction.

Shaffrey EC, Moura SP, Seitz AJ, Jupitz S, Seets T, Kawahara T, Uselmann A, Lin C, Poore SO.
J Reconstr Microsurg. 2024 Jun 5. Epub ahead of print.
[PubMed ID: [38838710](#)]

Vibration-assisted volume optimization mammoplasty: An alternative approach for large-volume fat grafting to the breast.

Affi AM, Seitz AJ, Albano NJ.
Plast Reconstr Surg. 2024 Jun 1;153(6):1080e-1083e. Epub 2023 May 15.
[PubMed ID: [37184478](#)]

Wrist motion assessment in tennis players using three-dimensional motion capture and dynamic electromyography.

Israel JS, Loushin SR, Tetzloff SU, Ellenbecker T, Kaufman KR, Kakar S.
J Wrist Surg. 2023 Nov 30;13(3):264-271.
[PubMed ID: [38808185](#)]

SURGICAL ONCOLOGY

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 Jun;28(6):993-994. Epub 2024 Apr 3.
[PubMed ID: [38579931](#)]

Cancer research funding in South Asia.

Virani SS, Ahmed KS, Jaraczewski T, Zafar SN.
J Cancer Policy. 2024 Jun 6;41:100489. Epub ahead of print.
[PubMed ID: [38851630](#)]

Diverse mechanisms by which chemical pollutant exposure alters gut microbiota metabolism and inflammation.

Teffer M, Veith AC, Ronnekleiv-Kelly S, Bradfield CA, Nikodemova M, Tussing-Humphreys L, Malecki K.
Environ Int. 2024 Jun 10;190:108805. Epub ahead of print.
[PubMed ID: [38901183](#)]

Factors influencing implementation of the Commission on Cancer's breast synoptic operative report (Alliance A20_Pilot9).

Park KU, Padamsee TJ, Birken SA, Lee S, Niles K, Blair SL, Grignol V, Dickson-Witmer D, Nowell K, Neuman H, King T, Mittendorf E, Paskett ED, Brindle M.
Ann Surg Oncol. 2024 Jun 11. Epub ahead of print.
[PubMed ID: [38862840](#)]

Mammary Paget's Disease as a sign of local recurrence two decades following breast conservation and adjuvant therapy for early stage breast cancer.

Afzal RJ, Basree MM, Howard SP, Xu J, Wilke LG, Anderson BM.
Cureus. 2024 Jun 2;16(6):e61521.
[PubMed ID: [38957233](#)]

Preoperative anemia: Impact on short- and long-term outcomes following curative-intent resection of gastroenteropancreatic neuroendocrine tumors.

Xiang JX, Nan YL, He J, Lopez-Aguilar AG, Poultides G, Rocha F, Weber S, Fields R, Idrees K, Cho C, Maithel SK, Lv Y, Zhang XF, Pawlik TM.
J Gastrointest Surg. 2024 Jun;28(6):852-859. Epub 2024 Mar 13.
[PubMed ID: [38538480](#)]

Targeting patient-derived orthotopic gastric cancers with a fluorescent humanized anti-CEA antibody.

Cox KE, Turner MA, Lwin TM, Amirfakhri S, Kelly KJ, Hosseini M, Ghosh P, Obonyo M, Hoffman RM, Yazaki PJ, Bouvet M.
Ann Surg Oncol. 2024 Jun 18. Epub ahead of print.
[PubMed ID: [38888861](#)]

Validation of the AJCC 8th edition breast cancer prognostic staging system in legacy alliance trials (AFT-01).

Krecko LK, Neuman HB, Greenberg CC, Wilke LG, Hanlon BM, Edge SB, Ruddy KJ, Partridge AH, Le-Rademacher J, Yang DY, Havlena J, R Schumacher J.
Ann Surg Oncol. 2024 Jun 2. Epub ahead of print.
[PubMed ID: [38825628](#)]

TRANSPLANTATION

A clarified interpretation of permanence justifies death determination in NRP protocols.

Parent B, Thiessen C, Wall A, Levan M, Gordon EJ.
Am J Bioeth. 2024 Jun;24(6):46-48. Epub 2024 Jun 3.
[PubMed ID: [38829585](#)]

Diminished immune cell adhesion in hypimmune ICAM-1 knockout pluripotent stem cells.

Saha S, Haynes WJ, Del Rio NM, Young EE, Zhang J, Seo J, Huang L, Holm AM, Blashka W, Murphy L, Scholz MJ, Henrichs A, Suresh Babu J, Steill J, Stewart R, Kamp TJ, Brown ME.
bioRxiv [Preprint]. 2024 Jun 9:2024.06.07.597791.
[PubMed ID: [38895244](#)]

Long-term follow-up of kidney transplant recipients admitted to a tertiary care transplant center with SARS-CoV-2.

Zona EE, Gibes ML, Jain AS, Smith JA, Garonzik-Wang JM, Mandelbrot DA, Parajuli S.
World J Virol. 2024 Jun 25;13(2):95273.
[PubMed ID: [38984080](#)]

Natural killer cell presence in antibody-mediated rejection.

Diebold M, Farkash EA, Barnes J, Regele H, Kozakowski N, Schatzl M, Mayer KA, Haindl S, Vietzen H, Hidalgo LG, Halloran PF, Eskandary F, Böhmig GA.
Transpl Int. 2024 Jun 24;37:13209.
[PubMed ID: [38979120](#)]

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, Montenovo MI.
JAMA Surg. 2024 Jun 1;159(6):677-685.
[PubMed ID: [38568597](#)]

VASCULAR SURGERY

Decision-making in surgery.

Angelos P, Taylor LJ, Roggin K, Schwarze ML, Vaughan LM, Wightman SC, Sade RM.
Ann Thorac Surg. 2024 Jun;117(6):1087-1094. Epub 2024 Jan 17.
[PubMed ID: [38242340](#)]

OTHER

Competence and assessment: Meeting the needs of accuracy and fairness.

Jung S, Sun T.
Ann Surg Open. 2024 May 13;5(2):e410.
[PubMed ID: [38911641](#)]
