

## General Surgery Resident Peer-Reviewed Publications 2020 to Present

### University of Cincinnati College of Medicine

[**Bold indicates resident.**]

1. Acker SN, Ziogas IA, Cost N, Cooper E, **Farooqui Z**, Eason CR, Vaughn AE, Dawson-Gore C, Somers KM, Fineman SL, Vangi S, **Carter MM**, **Hartman SJ**, Kotagal M. Association of systemic inflammatory markers and clinical outcomes among children with Wilms tumor. *Pediatr Blood Cancer*. 2025 Apr 11:e31715. Online ahead of print. PMID: 40215079
2. Ahmed HF, Guzman-Gomez A, **Kulshrestha K**, Kantemneni EC, Chin C, Ashfaq A, Zafar F, Morales DLS. Reality of DCD donor use in pediatric thoracic transplantation in the United States. *J Heart Lung Transplant*. 2024 Jan;43(1):32-35. PMID: 37619643
3. Ahmed HF, **Kulshrestha K**, Hogue S, Hossain MM, Zhang Y, Cherikh WS, Ashfaq A, Morales DLS, Hayes D Jr. A global experience of donation after circulatory death for pediatric lung transplantation. *Ann Am Thorac Soc*. 2024 Oct 15. Online ahead of print. PMID: 39405100
4. Ahmed HF, **Kulshrestha K**, Kennedy JT, Gomez-Guzman A, Greenberg JW, Hossain MM, Zhang Y, D'Alessandro DA, John R, Moazami N, Chin C, Ashfaq A, Zafar F, Morales DLS. Donation after circulatory death significantly reduces waitlist times while not changing post-heart transplant outcomes: A United Network for Organ Sharing analysis. *J Heart Lung Transplant*. 2024 Mar;43(3):461-470. PMID: 37863451
5. 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, Kastenberger 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. Incidence and management of pleural effusions in patients with Wilms tumor: A Pediatric Surgical Oncology Research Collaborative study. *Int J Cancer*. 2022 Nov 15;151(10):1696-1702. PMID: 35748343
6. **Ammann AM**, **Cortez AR**, **Vaysburg DM**, **Winer LK**, Sussman JJ, Ahmed HF, **Thangappan K**, Haney LC, Zafar F, Lehenbauer DG, Tweddell JS, Hirsch R, Elminshawy A, Morales DLS. Endocarditis in bovine vein grafts in the pulmonary position placed surgically & percutaneously. *World J Pediatr Congenit Heart Surg*. 2022 Mar;13(2):155-165. PMID: 35238702
7. **Ammann AM**, **Cortez AR**, **Vaysburg DM**, **Winer LK**, Sussman JJ, Potts JR 3rd, Van Haren R, Quillin RC 3rd. Examining the impact of COVID-19 restrictions on the operative volumes of US general surgery residents. *Surgery*. 2022 Feb;171(2):354-359. PMID: 34247838
8. **Ammann AM**, **Delman AM**, Bethi M, **Turner KM**, Sedaghat AR, Holm TM. Gender disparities in academic productivity and promotion among endocrine surgery faculty. *J Surg Res*. 2022 Sep;277:335-341. Epub 2022 May 10. PMID: 35561649
9. **Ammann AM**, **Pratt CG**, Lewis JD, Ahmad SA, Shaughnessy E, Heelan AA. Breast infections: A review of current literature. Review. *Am J Surg*. 2024 Feb;228:78-82. PMID: 37949727
10. **Ammann AM**, Shah SA. Unintended consequences of centralization? Increased care fragmentation and subsequent mortality after complex cancer surgery. *J Am Coll Surg*. 2021 Jun;232(6):933-934. PMID: 34030854
11. **Ammann AM**, **Vaysburg DM**, Paquette IM. The Altemeier procedure: Then and now. *Dis Colon Rectum*. 2021 Jun 1;64(6):e371. PMID: 33734105
12. **Ammann AM**, **Wallen TE**, **Delman AM**, **Turner KM**, Salvator A, Pritts TA, Makley AT, Goodman MD. Low volume blood product transfusion patterns and ratios after injury. *Am J Surg*. 2022 Nov;224(5):1319-1323. PMID: 35781374

13. **Amman AM**, Wolfe V, Piraino G, Ziady A, Zingarelli B. Humanin-G ameliorates hemorrhage-induced acute lung injury in mice through AMPK $\alpha$ 1-dependent and independent mechanisms. *Biomedicine*. 2024 Nov 15;12:2615. PMID: 39595179
14. Arora K, Yang F, Brewington J, McPhail G, **Cortez AR**, Sundaram N, Ramananda Y, Ogden H, Helmrath M, Clancy JP, Naren AP. Patient personalized translational tools in cystic fibrosis to transform data from bench to bedside and back. *Am J Physiol Gastrointest Liver Physiol*. 2021 Jun 1;320(6):G1123-G1130. PMID: 33949881
15. Ayabe RI, Narayan RR, Ruff SM, Wach MM, **Lo W**, Nierop PMH, Steinberg SM, Ripley RT, Davis JL, Koerkamp BG, D'Angelica MI, Kingham TP, Jarnagin WR, Hernandez JM. Disease-free interval and tumor functional status can be used to select patients for resection/ablation of liver metastases from adrenocortical carcinoma: Insights from a multi-institutional study. *HPB (Oxford)*. 2020 Jan;22(1):169-175. PMID: 31447392
16. **Baker JE**, Luketic K, Niziolek GM, **Freeman CM**, Grannan KJ, Pritts TA, Paquette IM, Goodman MD. Attending and resident surgeon perspectives and prescribing practices of pain medication during the opioid epidemic. *J Surg Educ*. 2021 Mar-Apr;78(2):579-589. PMID: 32843318
17. **Baker JE**, Millar DA, Heh V, Goodman MD, Pritts TA, Janowak CF. Does chest wall Organ Injury Scale (OIS) or Abbreviated Injury Scale (AIS) predict outcomes? An analysis of 16,000 consecutive rib fractures. *Surgery*. 2020 Jul;168(1):198-204. PMID: 32507628
18. **Baker JE**, **Seitz AP**, **Boudreau RM**, Skinner MJ, Beydoun A, Kaval N, Caldwell CC, Gulbins E, Edwards MJ, Gobble RM. Doxycycline-coated silicone breast implants reduce acute surgical-site infection and inflammation. *Plast Reconstr Surg*. 2020 Nov;146:1029-1041. PMID: 33141530
19. Balasundaram N, **Whitrock JN**, Braet DJ, Vogel TR, Bath JM. Importance of the profunda femoris upon patency following aortoiliac procedures. *J Vasc Surg*. 2022 Jul;76(1):180-187.e3. PMID: 35276269
20. **Baucom MR**, **Price AD**, England L, Schuster RM, Pritts TA, Goodman MD. Murine traumatic brain injury model comparison: Closed head injury versus controlled cortical impact. *J Surg Res*. 2024 Apr;296:230-238. PMID: 38295710
21. **Baucom MR**, **Price AD**, Weissman N, England L, Schuster RM, Pritts TA, Goodman MD. Desmopressin, misoprostol, nor carboprost affect platelet aggregability following traumatic brain injury and aspirin. *J Surg Res*. 2024 Apr;296:643-653. PMID: 38359679
22. **Baucom MR**, **Price AD**, **Whitrock JN**, Hanseman D, Smith MP, Pritts TA, Goodman MD. Need for blood transfusion volume is associated with increased mortality in severe traumatic brain injury. *J Surg Res*. 2024 Sep;301:163-171. PMID: 38936245
23. **Baucom MR**, **Wallen TE**, **Ammann AM**, England LG, Schuster RM, Pritts TA, Goodman MD. Blood component resuscitative strategies to mitigate endotheliopathy in a murine hemorrhagic shock model. *J Trauma Acute Care Surg*. 2023 Apr 4. Online ahead of print. PMID: 37012625
24. **Baucom MR**, **Wallen TE**, **Price AD**, Caskey C, Schuster RM, Smith MP, Blakeman TC, Strilka R, Goodman MD. Validation of preload assessment technologies at altitude in a porcine model of hemorrhage. *J Surg Res*. 2024 Mar;295:631-640. PMID: 38101109
25. **Baucom MR**, **Wallen TE**, **Price AD**, Smith MP, Kopchak M, MacKinnon A, Weissman N, Schuster RM, Pritts TA, Goodman MD. Predictive value of early inflammatory markers in trauma patients based on transfusion status. *J Surg Res*. 2023 Nov;291:691-699. PMID: 37562231
26. **Baucom MR**, **Wallen TE**, **Singer KE**, Youngs J, Schuster RM, Blakeman TC, McGuire JL, Strilka R, Goodman MD. Postinjury treatment to mitigate the effects of aeromedical evacuation after traumatic brain injury in a porcine model. *J Surg Res*. 2022 Nov;279:352-360. PMID: 35810552
27. **Baucom MR**, Weissman N, **Price AD**, England L, Schuster RM, Pritts TA, Goodman MD. Syndecan-1 as the effect or effector of the endothelial inflammatory response? *J Surg Res*. 2024 Mar;295:611-618. PMID: 38096775
28. Beal EW, Ahmed A, Grotz T, Leiting J, Fournier KF, Lee AJ, Dineen S, Dessureault S, Baumgartner JM, Veerapong J, Clarke C, Strong E, Maithel SK, Zaidi MY, Patel S, **Dhar V**, Hendrix R, Lambert L, Johnston F, Fackche N, Raoof M, LaRocca C, Ronnekleiv-Kelly S, Pokrzywa C, Pawlik TM, Abdel-Misih S, Cloyd JM. Trends in the indications for and short-term outcomes of cytoreductive surgery with hyperthermic intraperitoneal chemotherapy. *Am J Surg*. 2020 Mar;219(3):478-483. PMID: 31558307
29. Beal EW, Suarez-Kelly LP, Kimbrough CW, Johnston FM, Greer J, Abbott DE, Pokrzywa C, Raoof M, Lee B, Grotz TE, Leiting JL, Fournier K, Lee AJ, Dineen SP, Powers B, Veerapong J, Baumgartner JM, Clarke C, Mogal H, Russell MC, Zaidi MY, Patel SH, **Dhar V**, Lambert L, Hendrix RJ, Hays J, Abdel-Misih S, Cloyd JM. Impact of neoadjuvant chemotherapy on the outcomes of cytoreductive surgery and hyperthermic intraperitoneal chemotherapy for colorectal peritoneal metastases: A multi-institutional retrospective review. *J Clin Med*. 2020 Mar 10;9(3):748. PMID: 32164300

30. **Becker ER, Price AD**, Barth J, Hong S, Chowdhry V, Starr AJ, Sagi HC, Park C, Goodman MD. External validation of predictors of mortality in polytrauma patients. *J Surg Res.* 2024 Sep;301:618-622. PMID: 39094520
31. **Becker ER, Price AD**, Schuster RM, Caskey C, Harvey B, Smith MP, Branson RD, Goodman MD, Blakeman TC. Semiautonomous ventilation in a porcine hemorrhage and lung injury model provides lung protective ventilation. *J Trauma Acute Care Surg.* 2025 Apr 2. Online ahead of print. PMID: 40170235
32. **Becker ER, Price AD, Whitrock JN**, Smith M, **Baucom MR**, Makley AT, Goodman MD. Re-evaluating the use of high sensitivity troponin to diagnose blunt cardiac injury. *J Surg Res.* 2024 May 29;300:150-156. Online ahead of print. PMID: 38815513
33. **Becker ER**, Xu CT, **Pratt CG, Whitrock JN**, Frasier LL, Van Haren RM, Quillin RC 3rd. Examining the aftermath of virtual interviewing on surgical residency matches. *J Surg Res.* 2024 Sep;301:492-498. PMID: 39042977
34. Beckmann N, **Pugh AM**, Auteri NJ, Edwards MJ, Gulbins E, Caldwell CC. Therapeutic inhaled sphingosine for treating lung infection in a mouse model of critical illness. *Cell Physiol Biochem.* 2020 Oct 21;54(5):1054-1067. PMID: 33080125
35. Beckmann N, **Salyer CE**, Crisologo PA, Nomellini V, Caldwell CC. Staging and personalized intervention for infection and sepsis. *Surg Infect (Larchmt).* 2020 Apr 2. Online ahead of print. PMID: 32240042
36. Beckmann N, **Sutton JM, Hoehn RS, Jernigan PL**, Friend LA, Johannningman TA, Schuster RM, Lentsch AB, Caldwell CC, Pritts TA. IFN $\gamma$  and TNF $\alpha$  mediate CCL22/MDC production in alveolar macrophages after hemorrhage and resuscitation. *Am J Physiol Lung Cell Mol Physiol.* 2020 May 1;318(5):L864-L872. PMID: 32101016
37. Bergmann CB, Beckmann N, **Salyer CE**, Crisologo PA, Nomellini V, Caldwell CC. Lymphocyte immunosuppression and dysfunction contributing to persistent inflammation, immuno-suppression, and catabolism syndrome (PICS). *Shock.* 2021 Jun 1;55(6):723-741. PMID: 33021569
38. Bergmann CB, Beckmann N, **Salyer CE**, Hanschen M, Crisologo PA, Caldwell CC. Potential targets to mitigate trauma- or sepsis-induced immune suppression. *Front Immunol.* 2021 Feb 25; 12:622601. PMID: 33717127
39. Bergmann CB, **Salyer CE**, Beckmann N, Caldwell CC. Intraperitoneal neutrophil IL-10 production is promoted by interferon  $\gamma$  in a murine model of sepsis model in the acute phase of sepsis. *Biochem Biophys Res Commun.* 2020 Sep 10;530(1):278-284. PMID: 32828299
40. **Carter MM**, Papastefan ST, Tian Y, **Hartman SJ**, Elman MS, Ungerleider SG, Garrison AP, Oyetunji TA, Landman MP, Raval MV, Goldstein SD, Lautz TB. A retrospective nationwide comparison of laparoscopic vs open inguinal hernia repair in children. *J Pediatr Surg.* 2024 Nov 7;60(2):162056. Online ahead of print. PMID: 39541929
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43. Casar Berazaluce AM, Moody S, Jenkins T, **Farooqui Z**, Shebesta K, Kotagal M, Falcone RA. Catching the red eye: A retrospective review of factors associated with retinal hemorrhage in child physical abuse. *J Pediatr Surg.* 2021 May;56(5):1009-1012. PMID: 32888720
44. **Chae R**, D'Ambrosio N, **Kulshrestha K, Price A, Hartman S, Baucom M, Whitrock J**, Frasier L. Cardiac arrhythmias in trauma patients undergoing pericardiotomy: A retrospective analysis. *J Surg Res.* 2024 Oct 20;303:554-560. Online ahead of print. PMID: 39433003
45. **Chae R**, Nguyen C, Archdeacon C, **Wattley L, Sisak S, Price A**, Perez E, Schuster R, Lentsch A, Caldwell C, Goodman M, Pritts T. Whole blood storage duration alters fibrinogen levels and thrombin formation. *J Trauma Acute Care Surg.* 2024 Jul 1;97(1):39-47. PMID: 38531825
46. **Chae RC, Price AD, Baucom MR, Wattley LJ**, Nguyen CQ, Goodman MD, Pritts TA. Porcine packed red blood cells demonstrate a distinct red blood cell storage lesion. *J Surg Res.* 2024 Oct 17;303:396-404. Online ahead of print. PMID: 39423732
47. **Chae RC, Sisak S**, Nguyen CQ, **Wattley LJ**, Joseph B, England L, Schuster R, Lentsch AB, Caldwell CC, Goodman MD, Pritts TA. Age above all: The impact of storage duration in mice resuscitated with whole blood or packed red blood cells and plasma in a hemorrhagic shock model. *Surgery.* 2024 Sep 20:S0039-6060(24)00639-1. Online ahead of print. PMID: 39306564

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51. **Cortez AR, Delman AM,** Quillin RC 3rd. Examining the transplant case composition of early-career transplant surgeons. *Clin Transplant.* 2023 Jan;37(1):e14839. PMID: 36281997
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53. **Cortez AR,** Potts JR 3rd. More of less: General surgery resident experience in biliary surgery. *J Am Coll Surg.* 2020 Jul;231(1):33-42. PMID: 32335322
54. **Cortez AR,** Potts JR 3rd. Resident education in biliary operation: Beyond laparoscopic cholecystectomy. *J Am Coll Surg.* 2021 Jun;232(6):1020-1021. PMID: 33849747.
55. COVIDSurg Collaborative; GlobalSurg Collaborative [**various residents**]. Timing of surgery following SARS-CoV-2 infection: An international prospective cohort study. *Anaesthesia.* 2021 Jun;76(6):748-758. PMID: 33690889 Free PMC article.
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59. **Delman AM, Ammann AM,** Shah SA. The current status of virus-positive liver transplantation. *Curr Opin Organ Transplant.* 2021 Apr 1;26(2):160-167. PMID: 33595981
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61. **Delman AM,** Cuffy MC. Invited commentary: Focusing upstream to improve equity in living donor transplantation: From theory to practice in kidney disease. *Surgery.* 2022 Sep;172(3):1005-1006. Epub 2022 Jun 24. PMID: 35760596
62. **Delman AM, Kassam AF, Turner KM, Ammann AM,** Lynch C, **Morris MC, Vaysburg DM, Cortez AR,** Quillin RC 3rd. Incidence of attrition among early-career abdominal transplant surgeons. *Surgery.* 2023 May;173(5):1113-1119. PMID: 36167700
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65. **Delman AM,** Shah SA. Access is necessary, but not sufficient, to improve survival and mitigate disparity in pancreatic cancer. *J Am Coll Surg.* 2022 Jan 1;234(1):84-85. PMID: 35213465
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67. **Delman AM,** Silski LS, Shah SA. The opportunity for impactful policy change in liver transplantation: Expanding our definition of quality. *JAMA Netw Open.* 2021 Aug 2;4(8):e2119336. PMID: 34369995
68. **Delman AM, Turner KM,** Ahmad M, Silski LAS, Hanseman D, Tang A, Steward D, Shah SA, Holm TM. Surgery is underutilized in the management of tertiary hyperparathyroidism. *J Surg Res.* 2022 Sep;277:261-268. Epub 2022 May 4. PMID: 35525208

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70. **Delman AM, Turner KM, Ammann AM, Schepers E, Vaysburg DM, Cortez AR, Van Haren RM, Wilson GC, Shah SA, Quillin RC 3rd.** The volume-outcomes relationship in donation after circulatory death liver transplantation. *Clin Transplant.* 2022 Jun;36(6):e14658. PMID: 35377507
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73. **Delman AM, Turner KM, Griffith A, Schepers E, Ammann AM, Holm TM.** Minimally invasive surgery for resectable adrenocortical carcinoma: A nationwide analysis. *J Surg Res.* 2022 Nov;279:200-207. PMID: 35780533
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75. **Delman AM, Turner KM, Safdar K, Anwar N, Silski LS, Lee TC, Luckett K, Cuffy MC, Quillin RC 3rd, Schoech M, Kaiser TE, Govil A, Bari K, Shah SA.** Expanding the donor pool: First use of hepatitis B virus Nat positive solid organ allografts into seronegative recipients. *Ann Surg.* 2021 Oct 1;274(4):556-564. PMID: 34506310
76. **Delman AM, Turner KM, Silski LS, Quillin RC 3rd, Estrada M, Lemon K, Cuffy MC, Shah SA.** The kidney transplant equity index: Improving racial and ethnic minority access to transplantation. *Ann Surg.* 2022 Jun 28. Online ahead of print. PMID: 35762615
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79. **Delman AM, Van Haren RM.** Commentary: Mitigating lung cancer mortality in patients with end-stage renal disease. *J Thorac Cardiovasc Surg.* 2022 Jul;164(1):241-242. Epub 2021 Sep 27. PMID: 34629176
80. **Delman AM, Whitrock JN, Turner KM, Donovan EC, Quillin RC 3rd, Shah SA, Patel SH, Ahmad SA, Wilson GC.** Defining the operative time threshold for safety in patients undergoing robotic pancreaticoduodenectomy. *HPB (Oxford).* 2024 Mar;26(3):323-332. PMID: 38072726
81. **Dhar VK, Hanseman DJ, Young G, Browne D, Makley AT, Sussman JJ, Goodman MD.** Does geographical bias impact the match for general surgery residents? *J Surg Educ.* 2020 Mar-Apr;77(2):260-266. PMID: 31677980
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83. **Eng OS, Blakely AM, Lafaro KJ, Fournier KF, Fackche NT, Johnston FM, Dineen S, Powers B, Hendrix R, Lambert LA, Ronnekleiv-Kelly S, Walle KV, Grotz TE, Leiting JL, Patel SH, Dhar VK, Baumgartner JM, Lowy AM, Clarke CN, Mogal H, Zaidi MY, Staley CA, Kimbrough C, Cloyd JM, Lee B, Raoof M.** Institutional variation in recovery after cytoreductive surgery and hyperthermic intraperitoneal chemotherapy: An opportunity for enhanced recovery pathways. *J Surg Oncol.* 2020 Oct;122(5):980-985. PMID: 32627199
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85. **Fackche N, Schmocker RK, Kubi B, Cloyd JM, Ahmed A, Grotz T, Leiting J, Fournier K, Lee AJ, Powers B, Dineen S, Veerapong J, Baumgartner JM, Clarke C, Gamblin TC, Patel SH, Dhar V, Hendrix RJ, Lambert L, Abbott DE, Pokrzywa C, Lafaro K, Lee B, Zaidi MY, Maithel SK, Johnston FM, Greer JB.** The utility of preoperative tumor markers in peritoneal carcinomatosis from primary appendiceal adenocarcinoma: An analysis from the US HIPEC Collaborative. *J Gastrointest Surg.* 2021 Feb 25. Online ahead of print. PMID: 33634422

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