

DCCM Publications July 1st 2025 – June 30th 2026

1. Ranzani OT, Singer M, Salluh JIF, Shankar-Hari M, Pilcher D, Berger-Estilita J, Coopersmith CM, Juffermans NP, Laffey J, Reinikainen M, Neto AS, Tavares M, Timsit JF, Arias Lopez MDP, Arulkumaran N, Aryal D, Azoulay E, Celi LA, Chaudhuri D, De Lange D, De Waele J, Dos Santos CC, Du B, Einav S, Engelbrecht T, Fazla F, Ferrer R, Finazzi S, Fujii T, Gershengorn HB, Greene JD, Haniffa R, Hao S, Hasan MS, Hollenberg S, Ippolito M, Jung C, Kirov M, Kobari S, Lakbar I, Lipman J, Liu V, Liu X, Lobo SM, Magatti D, Martin GS, Metnitz B, Metnitz P, Myatra SN, Oczkowski S, Paiva JA, Paruk F, Pekkarinen PT, Piquilloud L, Pölkki A, Prescott HC, Blaser AR, Rezende E, Robba C, Rochwerf B, Ruckly S, Samei R, Schenck EJ, Secombe P, Sendagire C, Siaw-Frimpong M, Simpkin AJ, Soares M, Summers C, Szczeklik W, Takala J, Tanaka S, Tricella G, Vincent JL, Wendon J, **Zampieri FG**, Rhodes A, Moreno R. Development and Validation of the Sequential Organ Failure Assessment (SOFA)-2 Score. *JAMA*. 2025 Dec 16;334(23):2090-2103. doi: 10.1001/jama.2025.20516. PMID: 41159833; PMCID: PMC12573119.
2. Sarin SK, Choudhury A, Kumar A, Mahmud N, Lee GH, Ning Q, Tan SS, Thanapirom , Arora V, Nakayama N, Li J, **Karvellas CJ**. Acute-on-chronic liver failure: pathophysiological mechanisms and clinical management. *Nat Rev Gastroenterol Hepatol*. 2026 May;23(5):411-431. doi: 10.1038/s41575-025-01159-4. Epub 2026 Jan 5. PMID: 41486194.
3. Cecconi M, Greco M, Shickel B, Angus DC, Bailey H, Bignami E, Calandra T, Celi LA, Einav S, Elbers P, Ercole A, Gómez H, Gong MN, Komorowski M, Liu V, Park S, Sarwal A, Seymour CW, **Zampieri FG**, Taccone FS, Vincent JL, Bihorac A. Implementing Artificial Intelligence in Critical Care Medicine: a consensus of 22. *Crit Care*. 2025 Jul 8;29(1):290. doi: 10.1186/s13054-025-05532-2. PMID: 40629428; PMCID: PMC12239397.
4. Khan F, Tritschler T, Marx CE, Lanting V, Rochwerf B, Tran A, Fernando SM, Lorenzetti DL, Wunsch H, Holodinsky J, Fiest K, **Stelfox HT**, Delluc A, Fergusson DA, Le Gal G, Wells PS, Wang TF, Sanfilippo K, van Es N, Schrag D, Connors JM, Carrier M. Predictors of recurrent venous thromboembolism and bleeding in patients with cancer: a meta-analysis. *Eur Heart J*. 2026 Apr 22;47(16):1917-1929. doi: 10.1093/eurheartj/ehaf453. PMID: 40579365; PMCID: PMC13099206.
5. Moreno R, Rhodes A, Ranzani O, Salluh JIF, Berger-Estilita J, Coopersmith CM, Juffermans NP, Laffey J, Reinikainen M, Neto AS, Tavares M, Timsit JF, Arias Lopez MDP, Arulkumaran N, Azoulay E, Chaudhuri D, De Lange D, De Waele J, Dos Santos CC, Du B, Einav S, Ferrer R, Fujii T, Gershengorn HB, Haniffa R, Hasan MS, Hollenberg S, Ippolito M, Jung C, Kirov M, Lakbar I, Lipman J, Liu V, Lobo SM, Martin GS, Metnitz P, Myatra SN, Oczkowski S, Paiva JA, Paruk F, Pekkarinen PT, Pilcher D, Piquilloud L, Pölkki A, Prescott HC, Blaser AR, Rezende E, Robba C, Rochwerf B, Schenck EJ, Sendagire C, Siaw-Frimpong M, Simpkin AJ, Soares M, Summers C, Szczeklik W, Takala J, Vincent JL, Wendon J, **Zampieri FG**, Shankar- Hari M, Singer M. Rationale and Methodological Approach Underlying the Development of the Sequential Organ Failure Assessment (SOFA)-2 Score: A Consensus Statement. *JAMA Netw Open*. 2025 Oct 1;8(10):e2545040. doi: 10.1001/jamanetworkopen.2025.45040. Erratum in: *JAMA Netw Open*. 2026 Jan 2;9(1):e2560466. doi: 10.1001/jamanetworkopen.2025.60466. Erratum in: *JAMA Netw*

DCCM Publications July 1st 2025 – June 30th 2026

Open. 2026 Mar 2;9(3):e264615. doi: 10.1001/jamanetworkopen.2026.4615. PMID: 41159829.

6. SODa-BIC Investigators and the Australian and New Zealand Intensive Care Society Clinical Trials Group; Serpa Neto A, McNamara M, White K, Cooper DJ, Fujii T, Higgins AM, Hodgson CL, Navarra L, Nichol A, Peake S, Réa-Neto A, Secombe P, Osborne F, Burrill H, See E, Young M, **Zampieri FG**, Plummer M, Christie C, Nunnink L, Mackay J, McGuinness S, Marmol J, Tiruvoipati R, Bailey M, Young PJ, Bellomo R, Udy A. Sodium Bicarbonate for Critically Ill Adults with Metabolic Acidosis and Shock. *N Engl J Med*. 2026 Jun 12. doi: 10.1056/NEJMoa2600526. Epub ahead of print. PMID: 42283370.
7. **Andersen SK**. Rejection. *J Med Humanit*. 2025 Dec;46(4):753-754. doi:10.1007/s10912-025-09965-2. Epub 2025 Jul 10. PMID: 40637986.
8. Bajaj JS, Shawcross DL, Choudhury A, **Karvellas CJ**, O'Leary JG, Trebicka J, Kulkarni AV, Marciano S, Asrani SK, Premkumar M, Thabut D, Xie Q, Sonderup M, Strasser SI, Faria AQ, Alvares-da-Silva MR, Torre A, Lai JC, Ning Q, Verma N, Chirapongsathorn S, Mendizabal M, Treeprasertsuk S, Bernal W, VanWagner LB, Maiwall R, Piano S, Albillos A, Garcia-Tsao G, Angeli P, Reddy KR, Wong F, Moreau R, Sarin SK, Kamath PS. Defining Organ Failures in Patients With Cirrhosis: Consensus Statements. *Gastroenterology*. 2025 Oct;169(5):1043-1062. doi: 10.1053/j.gastro.2025.05.026. Epub 2025 Jun 9. PMID: 40499736.
9. Moeckli B, Wassmer CH, El Hajji S, Kumar R, Rodrigues Ribeiro J, Tabrizian P, Feng H, Schnickel G, Kulkarni AV, Allaire M, Asthana S, **Karvellas CJ**, Meeberg G, Wei L, Chouik Y, Kumar P, Gartrell RD, Martinez M, Kang E, Sogbe M, Sangro B, Schwacha-Eipper B, Schmiderer A, Krendl FJ, Goossens N, Lacotte S, Compagnon P, Toso C. Determining safe washout period for immune checkpoint inhibitors prior to liver transplantation: An international retrospective cohort study. *Hepatology*. 2025 Nov 1;82(5):1122-1137. doi: 10.1097/HEP.0000000000001289. Epub 2025 Mar 5. PMID: 40042053.
10. McIsaac DI, Lee S, Fergusson D, Gillis C, **Khadaroo RG**, Meliambro A, Muscedere J, Eskander A, Moloo H, Nelson G, Saha T, Chun R, Serrano PE, Wijesundera DN, Taljaard M; PREPARE Trial Investigator Group; Barnes K, Boet S, Boland L, Branje K, Breau R, Bryson GL, Dhalla I, Dixon E, Dobson G, Farnand M, Forster A, Gagne S, Hladkiewicz E, Holroyd-Leduc J, Huang A, Hutton J, Jacobsohn E, Joannis J, Johnson A, Johnson S, Khalil N, Kidd G, Lalu M, Lavallée LT, Le T, Levine M, Love C, McCartney C, McMullen M, Bergamaschi LM, Moore R, Mozel M, Nagpal S, Nantel J, Power B, Scheede-Bergdahl C, Tamblyn-Watts L, Thavorn K, Trottier D, van Walraven C, Yang I. Home-Based Prehabilitation for Older Surgical Patients With Frailty: A Randomized Clinical Trial. *JAMA Surg*. 2026 Feb 1;161(2):113-123. doi: 10.1001/jamasurg.2025.5288. PMID: 41335421; PMCID:PMC12676472.
11. Jeong R, **Bagshaw SM**, Wald R. The authors reply. *Crit Care Med*. 2025 Aug 1;53(8):e1707-e1708. doi: 10.1097/CCM.0000000000006750. Epub 2025 Aug 5. PMID: 40762556.

12. Vranckx P, Morrow D, **vanDiepen S**, Verbrugge FH. Exercise is medicine! Eur Heart J Acute Cardiovasc Care. 2026 Jun 30;15(6):429-431. doi: 10.1093/ehjacc/zuag073. PMID: 42231796.
13. Kusirisin P, **Bagshaw SM**. Kidney-ventilator interaction and kidney-protective ventilation. Curr Opin Crit Care. 2026 Feb 1;32(1):42-51. doi: 10.1097/MCC.0000000000001342. Epub 2025 Nov 19. PMID: 41481828.
14. Round J, Akpinar I, Yan C, Patel N, van Katwyk S, Montgomery C, Wald R, **Bagshaw SM**; STARRT-AKI Investigators. Cost-Utility Analysis of Accelerated and Standard Strategies for Renal Replacement Therapy Initiation. JAMA Netw Open. 2025 Oct 1;8(10):e2535343. doi: 10.1001/jamanetworkopen.2025.35343. PMID: 41042508; PMCID: PMC12495491.
15. Basmaji J, Tang JE, Arntfield R, Desai K, Ball IM, Fiorini K, Slessarev M, Honarmand K, Jones P, **Lau V**, Lewis K, Orozco N, Meade M, Park B, Prager R, Rochwerf B, Thabane L, Wong MYS, Guyatt G. The diagnostic accuracy of point-of-care ultrasound in shock: a systematic review and meta-analysis. Can J Anaesth. 2025 Jul;72(7):1118-1129. English. doi: 10.1007/s12630-025-02997-1. Epub 2025 Jul 2. PMID: 40603759.
16. **Karvellas CJ**, Artru F, Coilly A, Amiel IC, Dhawan A, Gurakar A, Rajakumar A, Selzner N, Subramanian R, Sun LY, Walabh P, Zhang X, Saner FH; International Liver Transplant Society—Acute Liver Failure Special Interest Group Steering Committee. Management of the Acute Liver Failure Patient and the Role of Liver Transplantation. Transplantation. 2025 Nov 1;109(11):1680-1691. doi: 10.1097/TP.0000000000005451. Epub 2025 Jun 25. PMID: 40556059.
17. Lawler PR, Proudfoot AG, Metkus TS, **vanDiepen S**, Bohula EA. Cardiac Critical Care in 2025 and in 2035. JACC Adv. 2025 Oct;4(10 Pt 1):102170. doi: 10.1016/j.jacadv.2025.102170. PMID: 41043941; PMCID: PMC12541206.
18. To HHM, loos V, Binet A, **Lee JS**, Godard A. Critical care training enhances intensive care provision in low resource settings. BMJ. 2026 Apr 8;393:s659. doi: 10.1136/bmj.s659. PMID: 41951232.
19. Rolfsen ML, **Wilcox ME**, Mart MF, Jackson JC, Sevin CM, Ely EW. Communicating to Patients and Families About Post-Intensive Care Syndrome. Chest. 2025 Oct;168(4):924-931. doi: 10.1016/j.chest.2025.01.024. Epub 2025 Jan 31. PMID:39892718; PMCID: PMC12597450.
20. Premkumar M, **Karvellas CJ**, Kulkarni AV, Bhujade H, Reddy KR. Role of point-of-care ultrasound (POCUS) in clinical hepatology. Hepatology. 2026 Apr 1;83(4):931-947. doi: 10.1097/HEP.0000000000000990. Epub 2024 Jul 1. PMID: 38954829.
21. Walabh P, **Karvellas CJ**. What's new in the critical care management of acute liver failure: a focus on global accessibility. Expert Rev Gastroenterol Hepatol. 2025 Oct;19(10):1101-1108. doi: 10.1080/17474124.2025.2551265. Epub 2025 Sep 1. PMID: 40883866.
22. **Brindley P**, Morgan M. When doctors lose their faith in medicine. BMJ. 2025 Aug 28;390:r1813. doi: 10.1136/bmj.r1813. PMID: 40876891.

23. Murad-Kassam S, Yan W, **Khadaroo RG**. Stigma Towards Hospitalised Older Adults: A Concept Analysis. *Nurs Open*. 2025 Sep;12(9):e70215. doi: 10.1002/nop2.70215. PMID: 40954525; PMCID: PMC12436170.
24. **Rewa OG**. The author replies. *Crit Care Med*. 2026 Apr 1;54(4):1028-1029. doi: 10.1097/CCM.0000000000007057. Epub 2026 Apr 7. PMID: 41944702.
25. **Zampieri FG**, Meersch M, See E. Sodium-glucose transporter inhibitors 2 in acutely ill patients. *Curr Opin Clin Nutr Metab Care*. 2026 Mar 1;29(2):169-176. doi: 10.1097/MCO.0000000000001194. Epub 2026 Jan 5. PMID: 41492194.
26. Varshney AS, Palazzolo MG, Barnett CF, Bohula EA, Burke JA, Chaudhry SP, Chonde MD, Ghafghazi S, Gerber DA, Kenigsberg B, Kontos MC, Kwon Y, Lawler PR, Loriaux DB, Menon V, Miller PE, O'Brien CG, Papolos AI, Patel SM, Potter BJ, Prasad R, Shah KS, Sinha SS, Solomon MA, Thompson A, Teuteberg JJ, **vanDiepen S**, Morrow DA, Berg DD. Epidemiology and Prognostic Significance of Acute Noncardiac Organ Dysfunction Across Cardiogenic Shock Subtypes. *J Card Fail*. 2025 Oct;31(10):1512-1522. doi: 10.1016/j.cardfail.2024.12.017. Epub 2025 Feb 25. PMID: 40015594; PMCID: PMC12353354.
27. Xie F, Yao Y, Ma Y, Humphries B, **Lau VI**, Fowler R, Rochwerg B, Heels-Ansdell D, Zytaruk N, Barletta JF, Kanji S, Arabi YM, Johnson DW, Williamson D, Marshall JC, Deane A, Myburgh J, Geagea A, Poole A, Archambault P, Khwaja K, Ostermann M, Burry L, Guyatt GH, Cook DJ; E-REVISE Collaborators and the Canadian Critical Care Trials Group. Cost-Effectiveness of Pantoprazole to Prevent Upper Gastrointestinal Bleeding in Mechanically Ventilated Patients. *JAMA Netw Open*. 2025 Dec 1;8(12):e2552771. doi: 10.1001/jamanetworkopen.2025.52771. PMID:41324956; PMCID: PMC12670189.
28. Moore L, Yanchar NL, Beno S, Beaudin M, Bérubé M, Tardif PA, Neveu X, Belcaid A, Weiss M, Beaulieu E, Stang A, Gagnon I, Gabbe B, **Stelfox HT**, Berthelot S, Klassen T, Carsen S, Labrosse M, Zemek R, Priestap F, Burstein B, Remick KE, Yeates KO, Merritt N, Kuppermann N, Loellgen R, Lecky F, Teague W, Holland A, Malo C, Freire G. Validation of Quality Indicators for Pediatric Trauma Care. *Ann Surg*. 2026 Jan 1;283(1):24-31. doi:10.1097/SLA.0000000000006837. Epub 2025 Jul 16. PMID: 40667818.
29. Kharouba M, Cook AM, Bastin MLT, **Kutsogiannis DJ**, Mahmoud SH. Levetiracetam Dosing Optimization in Neurocritical Care Population: Neuro-ARC Study. *Neurocrit Care*. 2025 Dec;43(3):887-901. doi: 10.1007/s12028-025-02347-5. Epub 2025 Sep 4. PMID: 40908416.
30. Vranckx P, Morrow D, **vanDiepen S**, Verbrugge FH. Where evidence becomes action. *Eur Heart J Acute Cardiovasc Care*. 2026 Apr 20;15(3):169-170. doi: 10.1093/ehjacc/zuag005. PMID: 41764359.
31. Derde L, Gordon AC, Mouncey PR, Al-Beidh F, Rowan KM, Nichol AD, Arabi YM, Annane D, Beane A, Beasley R, Bonten MJM, Bradbury CA, Brunkhorst FM, Buzgau A, Buxton M, Cheng AC, Cooper N, Cove M, Cremer OL, Detry MA, Duffy EJ, Estcourt LJ, Fitzgerald M, Galea J, Goossens H, Haniffa R, Hills TE, Huang DT, Ichihara N, King A, Lamontagne F,

Lawler PR, Leavis HL, Lewis RJ, Litton E, Marshall JC, Mayr FB, McAuley DF, McGlothlin A, McGuinness SP, McVerry BJ, Morpeth SC, Murthy S, Netea MG, Ogungbenro K, Orr K, Parke RL, Parker JC, Patanwala AE, Pettila V, Reyes LF, Saito H, Santos MS, Saunders CT, Seymour CW, Shankar-Hari M, **Sligl WI**, Turgeon AF, Turner AM, Tong SYC, Vaara S, Youngstein T, Zarychanski R, Green C, Higgins AM, McArthur CJ, Berry LR, Lorenzi E, Berry S, Webb SA, Angus DC, van de Veerdonk FL. Tocilizumab, sarilumab and anakinra in critically ill patients with COVID-19: a randomised, controlled, open-label, adaptive platform trial. *Thorax*. 2025 Jul 15;80(8):530-539. doi: 10.1136/thorax-2024-222488. PMID: 40360262;PMCID: PMC12322455.

32. Bérubé M, Lapierre A, Panenka W, O'Donnell M, Bradley N, Moore L, Bourque L, Thébaud M, Archambault P, Archambault L, Turgeon AF, Macedo T, Haagsma J, Rao J, Garraway N, Menear M, Perreault M, Gagnon MA, Vasiliadis HM, Genest C, Provencher H, **Stelfox HT**. Clinical Practice Guideline Recommendations on Mental Health in Trauma: A Systematic Review. *JAMA Surg*. 2025 Oct 1;160(10):1138-1155. doi: 10.1001/jamasurg.2025.2226. PMID: 40668549.

33. **Zampieri FG**, Azevedo LCP, Neto AS, Rea-Neto Á, David-João PG, Amendola CP, Kozesinski-Nakatani AC, Filiponi TC, Almeida GMB, Bergo RR, Figueiredo RC, Schuler CJ, Westphal GA, Biondi RS, Pereira AJ, Correa TD, Berwanger O, **Bagshaw SM**, Bellomo R, Tavares CAM. Effects of dapagliflozin on urinary output, fluid balance, and biochemistry in critically ill patients: a post-hoc secondary analysis of the DEFENDER trial. *Crit Care*. 2025 Jul 11;29(1):297. doi: 10.1186/s13054-025-05534-0. PMID: 40646628; PMCID: PMC12247443.

34. Galligani A, Pampuri G, Diab N, Grassa G, Hernandez-Vaquero D, Tuttolomondo D, Carino D, **Singh G**, Nicolini F, Formica F. Percutaneous Coronary Intervention or Minimally Invasive Coronary Bypass for Isolated Left Anterior Descending Artery Disease. *Am J Cardiol*. 2025 Aug 15;249:36-42. doi: 10.1016/j.amjcard.2025.04.014. Epub 2025 Apr 22. PMID: 40274210.

35. Lumlertgul N, Wannakittirat A, Kung JY, Srisawat N, Collister D, See EJ, Pannu N, Mehta RL, Soranno DE, Ostermann M, **Bagshaw SM**. Sex and gender considerations in randomized controlled trials in critical care nephrology: a meta-epidemiologic study. *BMC Med*. 2025 Jul 1;23(1):386. doi: 10.1186/s12916-025-04202-y. PMID: 40598540; PMCID: PMC12220064.

36. Fiest KM, Krewulak KD, Sept BG, Davidson JE, Ely EW, Lee CH, Soo A, **Stelfox HT**. A Pilot Randomized Controlled Trial Assessing the Feasibility and Acceptability of Family-Partnered Delirium Prevention, Detection, and Management in Critically Ill Adults: The Activating Family Caregivers in the Identification Prevention and Management of Delirium (ACTIVATE) Study. *Crit Care Explor*. 2025 Aug 22;7(9):e1287. doi: 10.1097/CCE.0000000000001287. PMID: 40844707; PMCID: PMC12377300.

37. Flaws D, Stewart JD, Haines KJ, Fraser JF, McAuley DF, Patterson SE, Hodgson CL, **Andersen SK**, **Bagshaw SM**, Bourne RS, Connolly B, Cove M, Dhesi J, Duncan S, Gould D, Hartley P, Higgins L, Hough CL, Kwizera A, Leggett N, Ni Lochlainn M, Lone NI, MacTavish P, Manthorpe J, Mocellin D, Mikkelsen ME, Parekh D, Rosa RG, Rowan K, Summers C, Sutt AL, Taylor SP, Teixeira C, Tronstad O, **Wilcox ME**, Wilson E, Winearls J, McPeake J.

Greater recovery after critical illness (GRACE): a call to action to create a new roadmap for critical illness research. *Thorax*. 2025 Dec 15;81(1):13-21. doi: 10.1136/thorax-2025-223758. PMID: 41093567.

38. Ballester MP, Gallego-Durán R, Shalimar, Thomsen KL, **Karvellas CJ**, Dasarathy S, Shawcross DL, Thabut D, Chen J, Rose CF, Jalan R; Delphi panellists. Ammonia measurement in cirrhosis: International Delphi consensus recommendations from ISHEN. *J Hepatol*. 2026 Aug;85(2):238-256. doi: 10.1016/j.jhep.2026.03.020. Epub 2026 Mar 20. PMID: 41865800.
39. Patel NH, Chen AY, Osiowy C, Durkalski Mauldin V, Lee WM, Coffin CS, **Karvellas CJ**; US Acute Liver Failure Study Group. Hepatitis B Virus Variants and Cytokine Patterns in Acute Liver Failure and Transplant-Free Survival. *Liver nt*. 2025 Jul;45(7):e70175. doi: 10.1111/liv.70175. PMID: 40540404; PMCID: PMC12180610.
40. Bouras M, Lauzier F, Fergusson DA, Neveu X, Clayton L, Patton MP, Costerousse O, English SW, Docherty A, Malbouisson LMS, Zarychanski R, Moore L, Lessard Bonaventure P, Laroche V, Verret M, Scales DC, Adhikari NKJ, Greenbaum J, Kramer A, Garnelo Rey V, Ball I, Khwaja K, Wise M, Harvey D, Chabanne R, Pottecher J, Rhodes J, Rigamonti A, Burns KEA, Griesdale DE, **Kutsogiannis DJ**, Green R, Boyd JG, Zeiler F, Gomez A, Charbonney E, Astles T, Sy E, Turgeon AF; HEMOTION Trial investigators, the Canadian Critical Care Trials Group, the Canadian Perioperative Anesthesia Clinical Trials Group, the Canadian Traumatic Brain Injury Research Consortium. Influence of multiple trauma on the effect of transfusion strategies in patients with traumatic brain injury: a sub-study of the HEMOTION trial. *Intensive Care Med*. 2026 Feb;52(2):211-229. doi:10.1007/s00134-025-08290-5. Epub 2026 Mar 3. PMID: 41774107; PMCID: PMC12971814.
41. Ginder CR, Jentzer JC, Patel SM, Bohula EA, Alfonso CE, Barnett CF, Barsness GW, Dodson MW, Ghafghazi S, Gidwani U, Guo J, Kwon Y, Liu S, Menon V, Morrow SA, O'Brien CG, Potter BJ, Katz JN, **vanDiepen S**, Berg DD. Association Between Pressure-Adjusted Heart Rate and In-Hospital Mortality in Cardiogenic Shock. *JACC Adv*. 2025 Oct;4(10 Pt 1):102065. doi: 10.1016/j.jacadv.2025.102065. PMID: 41043939; PMCID: PMC12541222.
42. Pirouzmand F, Mathieu F, Mansouri A, Kavikondala K, Alkins R, Boyd JG, Christie S, Couillard P, Cusimano MD, Engels PT, English S, Fourney D, Fowler R, Geerts W, Gooderham PA, Griesdale D, Hunter G, Jabejdar Maralani P, Kelly ME, Klein G, Kramer AH, Kromm J, **Kutsogiannis DJ**, Lauzier F, Machnowska M, Maslove DM, Mejia-Mantilla J, Midha R, Misra B, Murphy L, O'Kelly CJ, Patel C, Pinto RL, Pronovost AP, Sekhon M, Sharma SV, Sinclair J, Tsai E, Turgeon AF, Warade A, Scales DC; PROTEST investigators. Prophylaxis for venous thromboembolism in traumatic brain injury: protocol for a randomised controlled trial. *BMJ Open*. 2025 Dec 25;15(12):e114158. doi: 10.1136/bmjopen-2025-114158. PMID: 41453781; PMCID: PMC12742180.
43. Kelly YP, da Costa BR, Beaubien-Souligny W, Clark EG, Murray PT, Nichol A, Wald R, **Bagshaw SM**; STandard vs. Accelerated initiation of Renal Replacement Therapy in Acute Kidney Injury (STARRT-AKI) Investigators. Factors associated with adverse haemodynamic events during the STARRT-AKI trial: a post- hoc secondary analysis. *Crit*

Care. 2025 Dec 29;29(1):534. doi: 10.1186/s13054-025-05693-0. PMID: 41466322; PMCID: PMC12751851.

44. Vranckx P, Morrow D, **vanDiepen S**, Verbrugge FH. Strike early, strike strong. *Eur Heart J Acute Cardiovasc Care*. 2026 Apr 28;15(4):255-257. doi:10.1093/ehjacc/zuag038. PMID: 41924998.
45. Tavares CAM, Azevedo LCP, Guimarães PO, Rea-Neto Á, David-João PG, Campos NS, Amendola CP, Kozesinski-Nakatani AC, Filiponi TC, Almeida GMB, Bergo RR, Lobo SM, Tognon AP, Tavares MS, Silveira FS, Dracoulakis MDA, Biondi RS, Monfardini F, Nieri J, Madrini V Jr, Serpa-Neto A, Bacal F, Lemos PA, Berwanger O, Ezekowitz JA, **Zampieri FG**; DEFENDER Investigators. Dapagliflozin in Acute Cardiovascular Conditions: Insights From the DEFENDER Trial. *JACC Adv*. 2026 Jan;5(1):102459. doi: 10.1016/j.jacadv.2025.102459. Epub 2025 Dec 19. PMID: 41421016; PMCID: PMC12794490.
46. Vranckx P, Morrow D, **vanDiepen S**, Verbrugge FH. Don't stop the beat! *Eur Heart J Acute Cardiovasc Care*. 2026 Mar 16;15(2):93-94. doi: 10.1093/ehjacc/zuag006. PMID: 41619777.
47. Jacobs R, Schneider A, Hoste E, Verbrugghe W, **Bagshaw SM**, Bell M, Boer W, Bouchard J, Broman M, Crawford B, David S, Di Mario F, Joannes-Boyau O, Joannidis M, Joseph C, Merrill KA, Ostermann M, Palevsky P, Papez K, Prowle J, **Rewa OG**, Ricci Z, Shin S, Szamosfalvi B, Tolwani A, Villa G, Volbeda M, Rimmelé T, Jorens PG. Metabolic complications of citrate anticoagulation in continuous renal replacement therapy (crtr): a delphi consensus on indications, monitoring and management. *Crit Care*. 2026 May 13;30(1):358. doi: 10.1186/s13054-026-06066-x. PMID: 42129846; PMCID: PMC13340270.
48. Kusirisin P, Corsaro A, Kung JY, **Rewa OG**, **Wilcox ME**, **Bagshaw SM**. Association Between Acute Kidney Injury, Delirium, and Outcomes in Patients With Critical Illness: A Systematic Review and Meta-Analysis. *Crit Care Med*. 2026 Mar 1;54(3):571-583. doi: 0.1097/CCM.0000000000006997. Epub 2025 Dec 17. PMID: 41405369.
49. Yahav D, Pinto R, Cook D, Davis J, Duan E, Hoffman T, Lee TC, McDonald EG, Morpeth S, Muscedere J, **Sligl W**, Wuerz T, Fowler RA, Daneman N; BALANCE consortium. Duration of therapy for *Pseudomonas aeruginosa* bacteremia - a post hoc subgroup analysis from the BALANCE randomized controlled trial. *Clin Infect Dis*. 2026 Mar 3;ciag144. doi: 10.1093/cid/ciag144. Epub ahead of print. PMID: 41774760.
50. Du Toit LM, **Bagshaw SM**, Basmaji J, Chaudhuri D, Duquette D, Fiest KM, Honarmand K, **Karvellas CJ**, Kilcommons S, **Kutsogiannis DJ**, Lewis K, Lynam DE, Ma CH, Mehta S, Oxland P, **Parker A**, **Rewa OG**, Rochweg B, **Senaratne J**, Sharif S, **Sligl W**, **Stelfox HT**, Tworek KB, **Zampieri FG**, **Lau VI**. Stakeholder perspectives on the reduction of opioid exposure in ICU: A modified Delphi survey. *Intensive Crit Care Nurs*. 2025 Dec;91:104089. doi: 10.1016/j.iccn.2025.104089. Epub 2025 Jun 10. PMID: 40499241.

51. **Bagshaw SM**, Kellum JA. Professor Rinaldo Bellomo: Founder, architect, and choreographer of critical care nephrology. *Crit Care Resusc.* 2025 Oct 15;27(3):100150. doi: 10.1016/j.ccrj.2025.100150. PMID: 41613912; PMCID: PMC12847643.
52. Neyra JA, Thompson Bastin M, Ghamarian E, Firenzuoli F, Takeuchi T, **Bagshaw SM**, Wald R. Hypophosphatemia During Kidney Replacement Therapy and Ventilator- Free Days: A Post Hoc Analysis of the STARRT-AKI Trial. *Am J Kidney Dis.* 2026 May;87(5):654-664.e1. doi: 10.1053/j.ajkd.2025.11.012. Epub 2026 Feb 27. PMID:41763519.
53. Patidar KR, Hall L, Ogola GO, Pike F, Maiwall R, **Karvellas CJ**, Syed F, Garrido-Trevino LF, Walker OC, Shankar N, Cullaro G, Mogri M, Iyer N, Asrani SK. Associations Between Mean Arterial Pressure Thresholds and Clinical Outcomes in Decompensated Cirrhosis With Septic Shock. *Am J Gastroenterol.* 2025 Nov 19. doi: 10.14309/ajg.0000000000003854. Epub ahead of print. PMID: 41504279.
54. Chatterjee S, Girardi NI, Crow J, Wieruszewski PM, Grant MC, Cuker A, Warkentin TE, Mims MP, Arora RC, Martin M, Moon MR, Cangut B, Sultan IS, **Parker A**, Holler JF, Balsam LB, Engelman DT. 2026 American Association for Thoracic Surgery Expert Consensus Document: Diagnosis and management of heparin-induced thrombocytopenia in patients who undergo cardiac surgery. *J Thorac Cardiovasc Surg.* 2026 May 4:S0022-5223(26)00889-5. doi: 10.1016/j.jtcvs.2026.03.619. Epub ahead of print. PMID: 42092507.
55. Grand J, Sionis A, Hassager C, Perez PJ, Poess J, Schaubroeck H, Desch S, Krychtiuk KA, Belohlavek J, Mebazaa A, Huber K, **vanDiepen S**, Vandenbriele C, Morrow D, Tavazzi G. Haemodynamic monitoring and management of the hypotensive out-of-hospital cardiac arrest patient in the adult intensive care unit: a clinical consensus statement of the Association for Acute CardioVascular Care of the ESC. *Eur Heart J Acute Cardiovasc Care.* 2026 Mar 10;15(1):63-71. doi:10.1093/ehjacc/zuaf125. PMID: 41014602.
56. Angriman F, Ferreyro BL, Rochweg B, Sklar M, Adhikari N, **Bagshaw SM**, Brochard L, Cuthbertson B, Del Sorbo L, Fowler R, Geagea A, Granton JT, Mehta S, Munshi L, Muscedere J, Nardi J, Parhar K, Pinto RL, Piquette D, Seely A, Slessarev M, Tobin S, Scales DC, Ferguson ND; HONOUR Investigators and the Canadian Critical Care Trials Group. High-flow nasal Oxygen with or without alternating helmet Non-invasive ventilation for Oxygenation sUpport in acute Respiratory failure (HONOUR): a protocol for a pilot randomised controlled trial. *BMJ Open.* 2025 Oct 27;15(10):e111526. doi: 10.1136/bmjopen-2025-111526. PMID: 41145249; PMCID: PMC12570915.
57. **Zampieri FG**, Cavalcanti AB, Cahusac PMB, Kawano-Dourado L, Harhay MO, Maia S. Sequential likelihood ratios and e-processes in the analysis of the RENOVATE trial. *Ann Am Thorac Soc.* 2026 Jun 1;23(6):941-950. doi:10.1093/annalsats/aaog042. PMID: 41734013; PMCID: PMC13236399.
58. Jerath A, Slessarev M, Martin C, D'Aragon F, Carrier FM, **Senaratne J**, Meggison H, Hooper J, Alexandros Cavayas Y, Goligher EC, Couture EJ, Randall I, Hatzakorzian R, Jacka M, Wiener-Kronish J, Xie Z, Pinto RL, Cuthbertson B; SAVE- ICU Investigators and the Canadian Critical Care Trials Group. Sedating with volatile anaesthetics for COVID-19 and non-COVID-19 acute hypoxaemic respiratory failure patients in ICU (SAVE-ICU):

protocol for a randomised clinical trial. *BMJ Open*. 2025 Oct 13;15(10):e108441. doi: 10.1136/bmjopen-2025-108441. PMID: 41083292; PMCID: PMC12519663.

59. Bailey M, **Bagshaw SM**, Hart GK, Pilcher D. Rinaldo Bellomo's seminal contribution to observational research using the ANZICS CORE registry. *Crit Care Resusc*. 2025 Oct 14;27(3):100140. doi: 10.1016/j.ccrj.2025.100140. PMID: 41613900; PMCID: PMC12847633.
60. **Zampieri FG**, Cahusac PMB, Maia IS, Yehya N, Meyer NJ, Li F, Harhay MO. Trial Analysis and Interpretation in Critical Care Using the Evidential (Likelihood) Approach: Rationale and Practical Considerations. *Am J Respir Crit Care Med*. 2025 Sep;211(9):1610-1621. doi: 10.1164/rccm.202504-0809TR. PMID: 40591921; PMCID: PMC12432443.
61. Lee YY, Eastwood G, Bailey MJ, Bellomo R, Nichol AD, Parke RL, McGuinness S, Bernard S, Arabi YM, Capellier G, Chia YW, Grejs A, Hænggi M, **Kutsogiannis D**, Landoni G, Markota A, Nielsen N, Olasveengen T, Skrifvars MB, Taccone F, Wise MP, Higgins AM; TAME Study Investigators. The cost-effectiveness of mild hypercapnia after out-of-hospital cardiac arrest: a health economic evaluation alongside the TAME study. *Resuscitation*. 2025 Dec;217:110878. doi:10.1016/j.resuscitation.2025.110878. Epub 2025 Oct 30. PMID: 41176021.
62. Birkun AA, **Douma MJ**. Non-Resuscitative Telecommunicator-Assisted First Aid: A Scoping Review. *Prehosp Disaster Med*. 2026 Jun 25;41(1):e11. doi: 10.1017/S1049023X26108942. PMID: 42343669.
63. Patrick N, Rose C, **Karvellas CJ**. Diagnosis and Management of Intracranial Hypertension in Acute Liver Failure. *Can J Neurol Sci*. 2026 Jun 16:1-11. doi: 10.1017/cjn.2026.10630. Epub ahead of print. PMID: 42298823.
64. Wijesundera DN, Salbach NM, Chan MTV, Alibhai SMH, Puts MTE, Jerath A, **Khadaroo R**, Ehtesham S, Pazmino-Canizares J, Ladha KS, Granton JT, Amado L, Duceppe E, Hladkiewicz E, Lee SM, Macdonell SY, Parotto M, Perlas A, Serrano PE, Thorleifson MD, van Vlymen JM, van Waes J, Racz E, Wilmhurst L, McIsaac DI; FAST Walk Study Investigators. Functional Assessment for Surgery by a Timed Walk (FAST Walk) study: protocol for a multicentre prospective cohort study of the 6 min walk test for preoperative risk stratification in major non-cardiac surgery. *BMJ Open*. 2026 Jan 5;16(1):e113111. doi: 10.1136/bmjopen-2025-113111. PMID: 41490857; PMCID: PMC12778347.
65. Ramendra R, Wright JK, Kain KC, Kim B, Mishra H, Zhong K, Aslanian P, Carignan A, Conly J, Detsky M, Duan E, Evans G, Friedrich JO, Lamontagne F, Lauzier F, Macfadden DR, Marshall J, McIntyre L, Muscedere J, Morris A, Pinto R, Rishu A, **Stelfox HT**, Taggart LR, Tsang J, Turgeon AF, Fowler R, Daneman N. Procalcitonin to Guide 7 vs 14 Days of Antibiotics in Bloodstream Infections: A Secondary Analysis of the BALANCE Trial. *JAMA Netw Open*. 2026 Jun 1;9(6):e2620973. doi: 10.1001/jamanetworkopen.2026.20973. PMID: 42371622; PMCID: PMC13316601.
66. Lileikyte G, Marinho LL, McGuigan PJ, Kim EY, Harhay MO, **Zampieri FG**, Spicer A, Churpek M, Nielsen N, Lawler PR. Designing Future Cardiac Arrest Trials to

Accommodate Heterogeneous Treatment Effects. JACC Adv. 2026 Mar;5(3):102571. doi: 10.1016/j.jacadv.2025.102571. Epub 2026 Jan 28. PMID: 41610803; PMCID: PMC12870456.

67. Ghafghazi S, Uhl L, Herbert B, Bertolet M, Alexander JH, Goodman SG, Raval J, Roubille F, Fordyce CB, Goldfarb M, Bainey K, de Andrade PB, **Senaratne J**, Bracey A, Roswell RO, Lopes R, Simon T, Steg G, Brooks MM, Hebert PC, Carson JL, Triulizi DJ; MINT Trial Investigators. Transfusion-related adverse events in patients with restrictive or liberal transfusion strategy. An analysis of the MINT trial. Transfusion. 2026 Jan;66(1):84-93. doi: 10.1111/trf.70006. Epub 2025 Nov 26. PMID: 41305907; PMCID: PMC12857874.
68. Gist KM, Selewski DT, Kashani KB, Akcan-Arikan A, Annich G, Antonini MV, Askenazi D, Awdishu L, Bridges BC, Connor MJ Jr, Forni LG, Fuhrman DY, Goldstein SL, Gorga SM, Guru PK, Kaddourah A, Lepage-Farrell A, McMullan DM, Mehta RL, Menon S, Mottes T, Müller T, Ostermann M, Paden ML, Rintoul NE, Reis T, Ronco C, See E, **Singh G, Bagshaw SM**, MacLaren G. Extracorporeal membrane oxygenation, acute kidney injury, fluid balance, and continuous renal replacement therapy: Acute Disease Quality Initiative (ADQI) and Extracorporeal Life Support Organization (ELSO) joint consensus conference. Intensive Care Med. 2026 Jun;52(6):1175-1195. doi: 10.1007/s00134-026-08440-3. Epub 2026 May 6. PMID: 42113209; PMCID: PMC13269464.
69. Lumlertgul N, Kusirisin P, Kung JY, Duquette D, Fujii T, Zarbock A, Wald R, **Bagshaw SM**. Lower versus standard dose-intensity continuous renal replacement therapy: a systematic review and meta-analysis. Crit Care. 2026 Mar 27;30(1):232. doi: 10.1186/s13054-026-05987-x. PMID: 41896891; PMCID: PMC13361729.
70. Porschen C, Strauß C, **Bagshaw SM**, Kellum JA, Meuth SG, Brauckmann P, Nguyen NT, Fajarski M, Mahjoory K, Schwienhorst CB, Zarbock A. Association between acute kidney injury and delirium in critically ill patients: a retrospective cohort study using two independent databases. Crit Care. 2026 Mar 5;30(1):158. doi: 10.1186/s13054-026-05922-0. PMID: 41787440; PMCID: PMC13063765.
71. **Zampieri FG**, Young PJ, Bernard SA, Burns B, Gartner DC, Maegele M, McArthur CJ, Mitra B, Forbes AB, Gruen RL. Impact of different preferred functional outcomes on the results of the pre-hospital antifibrinolytics for traumatic coagulopathy and hemorrhage (PATCH-trauma) trial. J Crit Care. 2026 Feb;91:155255. doi: 10.1016/j.jcrc.2025.155255. Epub 2025 Sep 12. PMID: 40945305.
72. Collins SÉ, Kirby M, Smith BM, Rampuri ZH, Fuhr DP, Rowland S, Brotto AR, Rosychuk RJ, Thompson S, Weatherald J, **vanDiepen S**, Stickland MK. A Randomized, Placebo-Controlled, Double-Blind, Crossover Trial of Inhaled Nitric Oxide in Patients With Mild-to-Severe COPD. Chest. 2026 Jun;169(6):1524-1535. doi: 10.1016/j.chest.2026.01.012. Epub 2026 Feb 10. PMID: 41895703; PMCID: PMC13269684.
73. MacLaren R, Dionne JC, Granholm A, Alhazzani W, Szumita PM, Olsen K, Barletta JF, Hylander Møller M, **Karvellas CJ**, Wischmeyer P, DePriest A, Carlos V, Argetsinger D, Carothers JJ, Lee R, Napolitano L, Perri D, Naylor DF. Executive Summary-Society of Critical Care Medicine and American Society of Health-System Pharmacists Guideline for the Prevention of Stress-Related Gastrointestinal Bleeding in Critically Ill Adults. Am J

Health Syst Pharm. 2025 Aug 19;82(17):e747-e750. doi: 10.1093/ajhp/zxaf165. PMID: 40719551.

74. Leong AY, Soo A, Bond A, Wunsch H, Zuege DJ, **Bagshaw SM**, **Stelfox HT**, Niven DJ. An IV Sodium Bicarbonate Shortage in the Critically Ill: An Interrupted Time-Series Analysis. Crit Care Med. 2025 Nov 1;53(11):e2167-e2178. doi:10.1097/CCM.0000000000006813. Epub 2025 Aug 5. PMID: 40758398.
75. Hartley P, **Zampieri FG**, McPeake J. Ensuring inclusion is central to critical care research design. Intensive Care Med. 2026 May;52(5):1087-1089. doi: 10.1007/s00134-026-08388-4. Epub 2026 Mar 23. PMID: 41870555.
76. Gale J, **Singh G**. Daily Chest X-Rays for Cardiovascular Surgery Patients: Mandatory or Myth? Semin Thorac Cardiovasc Surg. 2025 Oct 30:S1043-0679(25)00144-3. doi: 10.1053/j.semtcvs.2025.09.001. Epub ahead of print. PMID: 41173075.
77. Strauß C, Sadjadi M, von Groote T, Booke H, Schöne LM, Hegner C, Wempe C, Meersch M, Gerss J, Bernard A, Haeberle HA, Rosenberger P, Rahmel T, Unterberg M, Adamzik M, Arndt C, Wulf H, Romagnoli S, Bonizzoli M, Mandarano R, Premuzic V, Andrade L, Smolentzov I, **Bagshaw SM**, Chawla L, Zarbock A. Randomised controlled study investigating standard dose continuous renal replacement therapy (CRRT) versus low-dose CRRT in critically ill patients with acute kidney injury (AKI): study protocol for a prospective, randomised, controlled, international, multicentre trial (the 'Ketzerei' trial). BMJ Open. 2025 Sep 22;15(9):e105459. doi: 10.1136/bmjopen-2025-105459. PMID: 40983574; PMCID: PMC12458862.
78. Hamilton DE, Shriver JL, Patel SM, Park JG, Michos ZE, Mathis MR, Adie SK, Alviar CL, Barnett CF, Berg DD, Bennett CE, Bohula EA, Carnicelli AP, Daniels LB, Dodson MW, Gage A, Gidwani U, Goldfarb M, Katz JN, Ketcham SW, Kwon Y, Leibner ES, Loriaux DB, Luk A, Marano P, Miller PE, Mukundan SV, Papolos AI, Pisani BA, Proudfoot AG, Roswell RO, Shah KS, Solomon MA, Tomey MI, **van Diepen S**, Zakaria S, Morrow DA, Thompson AD; CCCTN Investigators. Variation in Vasoactive Treatment Selection for Cardiogenic Shock: Insights From the CriticalCare Cardiology Trials Network (CCCTN). Circ Heart Fail. 2026 May 7:e013778. doi: 10.1161/CIRCHEARTFAILURE.125.013778. Epub ahead of print. PMID: 42093634; PMCID: PMC13240787.
79. Gorman J, **Rewa OG**, Kung J, **Widder S**, **Slemko J**. Methods of Adverse Event Detection in Intensive Care: A Systematic Review. Crit Care Explor. 2025 Sep 23;7(10):e1321. doi: 10.1097/CCE.0000000000001321. PMID: 40986501; PMCID: PMC12459451.
80. Deschamps J, Obanor O, Clarizia N, **Singh G**, Lobdell K, Bailey D, Barnett CF, Shaw AD, Engelman DT, Arora RC; PeriOperative Quality Initiative (POQI) and the Enhanced Recovery After Surgery (ERAS) Cardiac Society workgroup. Best Management Practices on Temporary Mechanical Circulatory Support: Joint Consensus Report of the PeriOperative Quality Initiative and the Enhanced Recovery After Surgery Cardiac Society. Ann Thorac Surg. 2025 Aug;120(2):225-243. doi: 10.1016/j.athoracsur.2025.01.039. Epub 2025 Apr 3. PMID: 40187587.

81. Lichter Y, **Bagshaw SM**, Wald R. Renal Replacement Therapy in Critically ill Patients: Navigating the Timing Debate. *J Intensive Care Med*. 2025 Nov 4;8850666251368275. doi: 10.1177/08850666251368275. Epub ahead of print. PMID: 41186571.
82. Moss SJ, Siddiqui S, Zuniga Chacon C, Sriskandarajah C, Stelfox M, Gaunce B, Harley M, Smith S, Ahmed SB, Birnie K, Halperin D, Halperin S, Hampson C, Hu J, Leppan L, Nickle A, Russell K, Soo A, Solis M, **Stelfox HT**, Straus S, Tutelman PR, Wiele Q, Fiest KM, Racine N, Parsons Leigh J. Evidence based consensus statements for digital tools to address youth mental health literacy. *Sci Rep*. 2025 Aug 2;15(1):28208. doi: 10.1038/s41598-025-12947-y. PMID: 40753263; PMCID: PMC12318097.
83. Hundemer GL, Dumicho AY, Knoll GA, Wald R, Silver SA, **Rewa OG**, Fernando SM, Herridge M, Bugeja A, Sood MM, Porto LLTN, Fremont D, Ramsay T, Clark EG. Health outcomes according to severity of acute kidney injury at ICU admission: a population-based cohort study. *Intensive Care Med*. 2026 Mar;52(3):445-455. doi: 10.1007/s00134-026-08317-5. Epub 2026 Feb 5. PMID: 41642328.
84. Shahid A, Sept BG, Moss SJ, Brundin-Mather R, Krewulak KD, Soo A, Leigh JP, Gélinas C, Fiest KM, **Stelfox HT**. Feasibility and Acceptability of a Patient- and Family-Oriented Approach to Pain Assessment in the Intensive Care Unit. *Nurs Crit Care*. 2026 May;31(3):e70459. doi: 10.1111/nicc.70459. PMID: 41867117; PMCID: PMC13006934.
85. Kilcommons S, Du Toit J, Deschenes S, Mellett J, **Douma MJ**, Alagadan I, Opgenorth D, Baig N, **Bagshaw SM**, **Rewa OG**, Fiest K, Montgomery C, **Lau V**, Andersen SK. A national survey of factors leading to health care worker turnover in Canadian intensive care units. *Can J Anaesth*. 2026 Mar;73(3):297-307. English, French. doi: 10.1007/s12630-026-03112-8. Epub 2026 May 7. PMID: 42098427.
86. Beed M, Wong C, Dineen RA, Berry L, **Brindley PG**. Infectious meningitis and encephalitis: A primer for acute care practitioners. *J Intensive Care Soc*. 2026 Apr 6;17511437261437982. doi: 10.1177/17511437261437982. Epub ahead of print. PMID: 41953497; PMCID: PMC13053408.
87. Mazzinari G, **Zampieri FG**, Harhay MO, Schultz MJ, van Meenen DM, Serpa-Neto A. Bayesian statistics: a primer for perioperative medicine clinicians. *Perioper Med (Lond)*. 2026 Feb 24;15(1):28. doi: 10.1186/s13741-026-00659-4. PMID: 41736024; PMCID: PMC13037322.
88. Senman B, **vanDiepen S**, Miller PE, Tavazzi G, Soneji S, Ratliff W, Alviar CL, Kochar A, Dupont A, Katz JN. Association of Early Intra-Aortic Balloon Pump Diastolic Augmentation With Survival in Patients With Cardiogenic Shock. *JACC Heart Fail*. 2025 Oct;13(10):102613. doi: 10.1016/j.jchf.2025.102613. Epub 2025 Aug 13. PMID: 40811931.
89. **Zampieri FG**, Schmidt RC, Besen BAMP, Ramos FJDS, Lamontagne F, Adhikari NKJ, Freitas FGR, Machado FR. Induction agents for emergency tracheal intubation in critically ill adults: a systematic review and network meta-analysis. *Crit Care*. 2026 May 12;30(1):296. doi: 10.1186/s13054-026-06067-w. PMID: 42121165; PMCID: PMC13245039.

90. Young DA, O'Croinin BR, Farris MI, **vanDiepen S**, Steinback CD. Characterizing the repeatability of cardiovascular responses to hypoxic apneas in adults. *Physiol Rep*. 2025 Dec;13(24):e70692. doi: 10.14814/phy2.70692. PMID: 41420395; PMCID: PMC12717465.
91. Alshammari E, Keil SA, **Wilcox ME**. Sleep fragmentation, impaired glymphatic clearance, and long-term cognitive impairment after critical illness. *Crit Care Sci*. 2026 Mar 30;38:e20260042. doi: 10.62675/2965-2774.20260042. PMID: 41919846; PMCID: PMC13124093.
92. **Andersen SK**, Dzung E. Palliative Care in Persistent Critical Illness: The Importance of Institutional Context. *Chest*. 2025 Dec;168(6):1282-1283. doi:10.1016/j.chest.2025.08.006. PMID: 41381132.
93. Sterling LH, Fernando SM, Talarico R, Qureshi D, Di Santo P, **vanDiepen S**, Herridge MS, Price S, Brodie D, Fan E, Needham DM, Scales DC, Combes A, Slutsky AS, Thiele H, Hibbert B, Tanuseputro P, Mathew R. Palliative and End-of-Life Care Utilization in Cardiogenic Shock Complicating Acute Myocardial Infarction: A Population-Based Study. *JACC Adv*. 2026 Jun 11;5(7):102869. doi: 10.1016/j.jacadv.2026.102869. Epub ahead of print. PMID: 42275681; PMCID: PMC13276325.
94. Rosa RG, Moraes RB, Trott G, Dos Santos MC, Miozzo AP, Andrade A, de Souza JMB, Wanderley J, Mocellin D, de Almeida TM, Dos Santos RDRM, De Matos LDNJ, De Carli RF, Caserta RA, de Souza Roldão E, Ferreira MS, Farias SE, Asato MS, João GAP, De Almeida GMB, De Oliveira CD, Júnior ROC, Silva MDA, Furtado MJA, De Oliveira DF, Abreu MML, Flores LK, Meira Teles JM, Falcão SNDRS, Fernandes TF, Nobre VC, Crisostomo AM, Rossato EV, da Silva Macedo LM, Boaventura MM, Alves Gonçalves FP, Teixeira C, Rolim Ferraz LJ, Cavaliere YF, **Zampieri FG**, Pereira AJ; Tele-Rehab Trial Group. Integrated Telehealth Rehabilitation and Quality of Life in Mechanically Ventilated Adults: A Randomized Clinical Trial. *JAMA*. 2026 Jun 10:e2610617. doi: 10.1001/jama.2026.10617. Epub ahead of print. PMID:42268591; PMCID: PMC13254807.
95. Parlow S, Jung RG, Almoosawy SA, Lepage-Ratte MF, Durr M, Mathieu ME, Di Santo P, Motazedian P, Sterling LH, Abdel-Razek O, Fan E, Thiele H, Price S, **van Diepen S**, Visintini S, Basir MB, Kapur NK, Hibbert B, Tran A, Møller JE, Rochweg B, Mathew R, Fernando SM. Prognostic Factors Among Patients Receiving Microaxial Flow Pump for Acute Myocardial Infarction-Related Cardiogenic Shock: A Systematic Review and Meta-Analysis. *Crit Care Med*. 2026 Mar 1;54(3):584-593. doi: 10.1097/CCM.0000000000007013. Epub 2026 Jan 8. PMID: 41504526.
96. Shen A, Bouchard J, Neyra JA, Lamontagne F, Côté JM, Clark EG, da Costa BR, Gallagher M, Adhikari NKJ, Silver SA, Suri RS, Ostermann M, Neto AS, Bellomo R, **Bagshaw SM**, Wald R, Beaubien-Souligny W. Proactive Prescription-Based Fluid Management Versus Usual Care in Critically Ill Patients on Kidney Replacement Therapy (Probe-Fluid): A Pilot Clinical Trial Protocol. *Can J Kidney Health Dis*. 2025 Dec 9;12:20543581251391877. doi: 10.1177/20543581251391877. PMID: 41393271; PMCID: PMC12696302.

97. Cardoso FS, Kim M, Kok B, Wunderink R, Abalde JG, **Karvellas CJ**. Bridging Critically Ill Patients With Cirrhosis to Transplant With Renal Replacement Therapy: A Multicenter Cohort Study. *Liver Int.* 2026 Apr;46(4):e70593. doi: 10.1111/liv.70593. PMID: 41846463; PMCID: PMC12997015.
98. Fernando SM, Muscedere J, Rochwerg B, Johnstone J, Daneman N, Marshall JC, Lauzier F, Rudkowski JC, Arabi YM, Heels-Ansell D, **Sligl W**, Kristof AS, Duan E, Dionne JC, St-Arnaud C, Reynolds S, Khwaja K, Cook DJ; PROSPECT Investigators and the Canadian Critical Care Trials Group. Frailty and the risk of ICU- acquired infections in a randomised trial: a protocol and statistical analysis plan. *BMJ Open.* 2025 Nov 13;15(11):e105227. doi: 10.1136/bmjopen-2025-105227. PMID: 41248372; PMCID: PMC12625914.
99. Kusi-Appiah E, Saleema A, **Rewa OG**, Montgomery C, Olson J, Papathanassoglou E. Psychological distress in patients receiving critical care: An evolutionary concept analysis. *Aust Crit Care.* 2026 Jun;39(3):101606. doi: 10.1016/j.aucc.2026.101606. Epub 2026 May 15. PMID: 42139837.
100. Ehnes CM, Collins SE, Brotto AR, Fleming ECM, Fuhr DP, **vanDiepen S**, Stickland MK. How Do Sex and Cardiorespiratory Fitness Impact Pulmonary Diffusing Capacity? *Med Sci Sports Exerc.* 2025 Oct 1;57(10):2129-2137. doi: 10.1249/MSS.0000000000003746. Epub 2025 May 1. PMID: 40309993; PMCID: PMC13007899.
101. Wasylenko JA, Seiden-Long I, Kattar M, Paul HA, Brun M, Estey M, Reddy P, **vanDiepen S**, Tsui AKY. Verification of a Novel High Sensitivity Troponin I Assay for Implementation in Rural Clinical Laboratories. *J Appl Lab Med.* 2025 Sep 3;10(5):1254-1264. doi: 10.1093/jalm/jfaf088. PMID: 40697011.
102. Patel NH, Chen AY, Osiowy C, Mauldin VD, Lee WM, Coffin CS, **Karvellas CJ**; US Acute Liver Failure Study Group. In-Reply to Letter From Xie and Chen. *Liver Int.* 2025 Oct;45(10):e70345. doi: 10.1111/liv.70345. PMID: 40919847.
103. Krewulak KD, Arakawa NC, Deemer K, Jaworska N, Kissel KA, Longmore S, Maclean M, Mickelson P, Mok M, Oggy T, Poulin TG, Reyes J, Selig M, Sept B, Lee CH, Shulman RW, **Stelfox HT**, Fiest KM. Development and Validation of the Family ICU Delirium Detection Instrument. *Crit Care Explor.* 2026 Jan 2;8(1):e1335. doi: 10.1097/CCE.0000000000001335. PMID: 41481007; PMCID: PMC12768148.
104. Kennett J, Moss SJ, Parsons Leigh J, Bobrovitz N, **Stelfox HT**. Modifiable methodological and reporting practices are associated with reproducibility of health sciences research: a systematic review and evidence and gap map. *J Clin Epidemiol.* 2026 Apr;192:112135. doi: 10.1016/j.jclinepi.2026.112135. Epub 2026 Jan 8. PMID: 41519488.
105. Krewulak KD, Poulin TG, Rana B, Kupsch S, **Stelfox HT**, Fiest KM. Patient and family perceptions of research coordinator attire in the intensive care unit: A cross-sectional survey-based study. *J Crit Care.* 2026 Jun;93:155499. doi:10.1016/j.jcrc.2026.155499. Epub 2026 Feb 21. PMID: 41723933.

106. Morton S, Irwin A, Kissel KA, Jewers D, Dhillon PP, Morrissey J, Loroff N, Knight G, Cashen D, Zuege DJ, **Bagshaw SM**, Fiest K, Parhar KKS. Methods to monitor and evaluate neuromuscular blockade use in intensive care unit patients with hypoxemic respiratory failure and acute respiratory distress syndrome: a scoping review. *Can J Anaesth*. 2026 Apr;73(4):403-416. English. doi: 10.1007/s12630-026-03127-1. Epub 2026 May 22. PMID: 42174355.
107. Mavignier N, Pandher G, Goldstein M, Stanski NL, Fuhrman DY, Akcan Arikan A, See E, Tahir P, Neyra JA, **Bagshaw SM**, Legrand M, Garcia B. How outcomes are defined in randomized controlled trials of acute kidney injury: a scoping review. *Intensive Care Med*. 2026 Apr;52(4):687-699. doi:10.1007/s00134-026-08419-0. Epub 2026 Apr 27. PMID: 42043560.
108. Kusirisin P, Kung JY, Corsaro A, **Rewa OG**, **Wilcox ME**, **Bagshaw SM**. Association between acute kidney injury, delirium and outcomes in patients with critical illness: a protocol for a systematic review. *BMJ Open*. 2025 Aug 27;15(8):e105515. doi: 10.1136/bmjopen-2025-105515. PMID: 40866069; PMCID: PMC12410634.
109. Vranckx P, Morrow D, **vanDiepen S**, Verbrugge FH. Now it is time to show courage! *Eur Heart J Acute Cardiovasc Care*. 2026 Mar 10;15(1):1-2. doi: 10.1093/ehjacc/zuaf139. PMID: 41476386.
110. Kusirisin P, Dolan KJ, Alobaidi R, Fuhrman DY, Kakajiwala AK, Neumayr TM, Said AS, Kung JY, Arikan AA, **Rewa OG**. Key performance indicators for acute kidney replacement therapy in critically ill children: a systematic review. *Pediatr Nephrol*. 2026 May 7. doi: 10.1007/s00467-026-07332-4. Epub ahead of print. PMID: 42095908.
111. Patel NH, Chen AY, Osiowy C, Mauldin VD, Lee WM, Coffin CS, **Karvellas CJ**; US Acute Liver Failure Study Group. In-Reply to Letter From Yang Et al. *Liver Int*. 2025 Sep;45(9):e70307. doi: 10.1111/liv.70307. PMID: 40856348.
112. Hill J, Yang E, Doran S, Graham MM, **vanDiepen S**, Raizman JE, Tsui AK, Rowe BH. Adherence to Accelerated Diagnostic Protocol for Chest Pain in Five Emergency Departments in Canada. *West J Emerg Med*. 2025 Dec 31;27(1):205-213. doi: 10.5811/westjem.48701. PMID: 41554159; PMCID: PMC12815536.
113. Young K, Koch H, O'Dochartaigh D, **Douma MJ**, Picard C, Vultaggio D, Violato E, MacKenzie M, Sevcik WB. A Randomized Crossover Simulation Study of Prolonged Conventional Versus Modified "Koch" Chest Compressions in a Height-Restricted Setting. *Air Med J*. 2025 Jul-Aug;44(4):269-277. doi: 10.1016/j.amj.2025.03.004. Epub 2025 Apr 25. PMID: 40571383.
114. Parsons Leigh J, Moss SJ, MacDonald J, Cherak MS, **Stelfox HT**, Dubé È, Fiest KM, Halperin DM, Ahmed SB, MacDonald SE, Straus SE, Manca T, Ng Kamstra J, Soo A, Halperin SA. Considering the impact of vaccine communication in the COVID-19 pandemic among adults in Canada: A qualitative study of lessons learned for future vaccine campaigns. *Hum Vaccin Immunother*. 2025 Dec;21(1):2448052. doi:10.1080/21645515.2024.2448052. Epub 2025 Jan 8. PMID: 39773304; PMCID:PMC11730367.

115. Moolji J, **MacIntyre E**, Richman-Eisenstat J. Substance use may be associated with non-adherence to non-invasive ventilation in adults with myotonic dystrophy type 1. *J Neuromuscul Dis*. 2026 Feb 4:22143602261421680. doi: 10.1177/22143602261421680. Epub ahead of print. PMID: 41637179.
116. Tarabanis C, Guo J, Barsness GW, Farahmandsadr M, Fordyce CB, Goldfarb M, Katz JN, Kontos MC, Miller PE, Newby LK, **vanDiepen S**, Morrow DA, Alviar CL. Clinical Characteristics and Outcomes of Older Patients Admitted to the Cardiac Intensive Care Unit. *JACC Adv*. 2026 Jun;5(6 Pt 2):102830. doi: 10.1016/j.jacadv.2026.102830. PMID: 42312786; PMCID: PMC13308241.
117. **Zampieri FG, Bagshaw SM**, Cavalcanti AB. Addressing heterogeneous treatment effects in acute care syndromes: principles and practical considerations. *Thorax*. 2025 Sep 15;80(10):765-774. doi: 10.1136/thorax-2024-221989. PMID:40425297.
118. Foster M, Fergusson DA, Thompson E, Hunniford V, Scott T, Daniels S, Richards DP, Messner P, Hendrick K, Sullivan P, Mendelson AA, **Macala KF**, Fiest KM, Crawley AM, Thébaud B, Nicholls SG, Séguin CA, Fox G, Presseau J, Lalu MM. Identifying challenges and enablers to engaging patients in preclinical laboratory research: an interview study. *Res Involv Engagem*. 2025 Nov 28;11(1):148. doi: 10.1186/s40900-025-00818-9. PMID: 41316501; PMCID: PMC12723845.
119. Cardoso FS, Lee WM, **Karvellas CJ**; US Acute Liver Failure Study Group. Failure to rescue in acute liver failure: A multicenter cohort study. *Liver Transpl*. 2025 Aug 1;31(8):982-988. doi: 10.1097/LVT.0000000000000594. Epub 2025 Mar 11. PMID: 40062765.
120. Hamani M, Pinto R, Lee TC, MacFadden D, McDonald EG, **Sligl W**, Fowler RA, Daneman N; BALANCE consortium. Duration of antibiotic therapy for bacteraemia in immune compromised hosts-a post-hoc subgroup analysis of the Bacteremia Antibiotic Length Actually Needed For Clinical Effectiveness (BALANCE) randomized clinical trial. *Clin Microbiol Infect*. 2026 Jun 9:S1198-743X(26)00315-0. doi: 10.1016/j.cmi.2026.06.003. Epub ahead of print. PMID: 42264033.
121. Senman B, Miller PE, Gage A, Dudzinski DM, Alviar C, Araiza-Garaygordobil D, Arias-Mendoza A, Barnes A, Barnett C, Basir MB, Berg DD, Bernard S, Brusca S, Burkart KM, Chacón-Lozán F, Chaisson NF, Cutrone M, Dahiya G, Dezfulian C, Dupont A, Elliott A, Enstrom C, Farfan L, Fiedler A, Franko A, Fry C, Hall E, Hansra B, Higgins A, Hollenberg SM, Horowitz J, Il'Giovine ZJ, Jumeau M, Karpenshif Y, Khalif A, Kochar A, Krishnamoorthy V, Krishnan S, Lawler P, Lee R, Li B, Luk A, McKenzie-Solis J, Methvin L, Moghaddam N, Nagraj S, O'Brien CG, Potarazu D, Rabon A, Rali A, Safriyu I, Sayood S, Schimmer H, Schrage B, Sinha S, Sridharan L, Tennyson C, Thachil R, Thompson A, Tomey MI, Vallabhajosyula S, **vanDiepen S**, Weickert TT, Wiley B, Zern E, Zhang Y, Sener YZ, Katz JN; Society of Critical Care Cardiology. THE SOCIETY OF CRITICAL CARE CARDIOLOGY - RATIONALE, BLUEPRINT, AND LESSONS LEARNED IN THE CREATION OF A NEW MULTIDISCIPLINARY PROFESSIONAL ORGANIZATION. *Am Heart J*. 2026 Jun 25:107521. doi: 10.1016/j.ahj.2026.107521. Epub ahead of print. PMID: 42349531.

122. Bansal M, Mehta A, Morris DL, Mehta C, Jentzer JC, **vanDiepen S**, Abbott JD, Vallabhajosyula S. 'July effect' in management and outcomes of patients admitted with pulmonary embolism in the United States, 2016 to 2021. *Proc (Bayl Univ Med Cent)*. 2025 Jul 8;38(5):675-682. doi: 10.1080/08998280.2025.2520125. PMID: 40821483; PMCID: PMC12351753.
123. Ehnes CM, Collins SÉ, Brotto AR, Fuhr DP, Thompson S, **vanDiepen S**, Stickland MK. The effect of sildenafil on resting and exercise diffusing capacity in trained and untrained individuals: A randomized crossover trial. *J Physiol*. 2026 Apr;604(8):3297-3313. doi: 10.1113/JP290438. Epub 2026 Apr 6. PMID: 41940809.
124. Lumlertgul N, Kusirisin P, Kung JY, Duquette D, Fujii T, Zarbock A, Wald R, **Bagshaw SM**. Lower versus standard dose-intensity continuous renal replacement therapy: a protocol for a systematic review and meta-analysis. *BMJ Open*. 2026 Jan 30;16(1):e112086. doi: 10.1136/bmjopen-2025-112086. PMID: 41617237; PMCID: PMC12863369.
125. Hill J, Yang E, Doran S, Graham MM, **vanDiepen S**, Raizman JE, Tsui AK, Rowe BH. Under-Investigation and Delays Experienced by Females Presenting with Chest Pain to Emergency Departments: A Study of Five Linked Canadian Hospitals. *J Emerg Med*. 2026 May;84:137-146. doi: 10.1016/j.jemermed.2026.01.013. Epub 2026 Jan 29. PMID: 41955887.
126. Kusirisin P, Lambert JW, **Rewa OG**, Neyra JA, **Bagshaw SM**; CRRTnet Investigator. Association between obesity and kidney outcomes in critically ill patients with acute kidney injury receiving continuous renal replacement therapy: a secondary analysis of the multicenter CRRTnet study. *Crit Care*. 2026 Mar 28;30(1):143. doi: 10.1186/s13054-026-05950-w. PMID: 41904566; PMCID: PMC13045041.
127. Vranckx P, Morrow D, **vanDiepen S**, Verbrugge FH. Oops, we did it again and all together! *Eur Heart J Acute Cardiovasc Care*. 2026 Jan 23;14(12):709-710. doi: 10.1093/ehjacc/zuaf140. PMID: 41332170.
128. Maier LE, Vanden Berg ER, Simpson L, Ewalts M, Foster K, Baylis J, Gasho C, Macleod D, **vanDiepen S**, Anholm J, Lawley J, Ainslie PN, Gibbons TD, Stembridge M, Moore J, Steinback CD. The effect of sex on the isolated and combined α - and β -adrenergic control of blood flow during handgrip in adults at high altitude: An exploratory study. *Physiol Rep*. 2026 Feb;14(3):e70754. doi: 10.14814/phy2.70754. PMID: 41635023; PMCID: PMC12867950.
129. Jahandideh F, Mendelson AA, Liaw PC, Gill SE, Bourque S, Fox-Robichaud AE, Cepinskas G, **Macala KF**, Sunohara-Neilson J, Engelberts D, Sontag D, Dwivedi DJ, Yu IL, Batnyam O, Mbuta K, Fergusson DA, Taljaard M, McDonald B, Lalu MM. Assessing the effects of fluids and antibiotics in an acute murine model of sepsis: study protocol for the National Preclinical Sepsis Platform-01 (NPSP-01) Study. *F1000Res*. 2026 Apr 28;14:472. doi: 10.12688/f1000research.163800.3. PMID: 41939488; PMCID: PMC13049416.

130. Chow C, Durowoju R, Alviar C, Barsness GW, Cooper HA, Daniels LB, Ding X, Ghafghazi S, Gidwani U, Goldfarb M, Hillerson D, Katz JN, Marano P, Park JG, Pierce M, Rose SW, Roswell RO, **vanDiepen S**, Wagle A, Bohula EA, Berg DD, Morrow DA, Kwon Y. Anemia as a potent marker of in-hospital mortality in patients admitted to the cardiac intensive care unit: Data from the Critical Care Cardiology Trials Network (CCCTN) Registry. *J Intensive Med*. 2025 Jan 24;5(3):262-268. doi: 10.1016/j.jointm.2024.12.006. PMID: 40933747; PMCID: PMC12417371.
131. Pontes CDN, **Zampieri FG**, Figueiredo RC, Pedro RAM, Malbouisson LMS, Cunha RCD, Ramos FJDS, Damiani LP, Besen BAMP, Freitas FGR, Machado FR. Prospective, randomized, controlled trial assessing the effects of methylene blue for the prevention of hypotension during renal replacement therapy: protocol paper and statistical analysis plan for the BLUE study. *Crit Care Sci*. 2026 Jun 22;38:e20260300. doi: 10.62675/2965-2774.20260300. PMID: 42339855.
132. Hill AD, Teja B, Burry L, Pinto R, Bosch NA, Walkey A, **Stelfox HT**, Chapman M, Scales DC, Wunsch H. Variation in Maximal Doses of Vasopressors Used for Treatment of Shock in Intensive Care Units in Alberta Canada: A Retrospective Cohort Study. *Anesth Analg*. 2026 Jun 1;142(6):1088-1097. doi: 10.1213/ANE.0000000000007821. Epub 2025 Oct 29. PMID: 41165255.
133. Fiest KM, Krewulak KD, Strayer K, Dirks C, Farrier C, Foster N, Longmore S, Sept B, Spence KL, Parsons Leigh J, **Stelfox HT**. Enhancing continuity of care: Codevelopment of an intensive care unit transitions in care bundle. *Aust Crit Care*. 2026 Jun;39(3):101578. doi: 10.1016/j.aucc.2026.101578. Epub 2026 Apr 17. PMID: 42000331.
134. Butt J, Shehabi Y, Arabi YM, Hylander Møller M, Fan E, Mehta S, Perri D, Cook D, Basmaji J, **Lau VI**, Laiya Carayannopoulos K, Alhazzani W, Lewis K. Use of sedation for adults admitted to the intensive care unit during noninvasive ventilation: an international survey. *Can J Anaesth*. 2025 Nov;72(11):1681-1689. English. doi: 10.1007/s12630-025-03038-7. Epub 2025 Oct 13. PMID: 41083756.
135. Kusi-Appiah E, Allana S, **Rewa OG**, Montgomery C, Papathanassoglou E. Enhancing the adoption of patient engagement in critical care research: Insights from a qualitative study. *Aust Crit Care*. 2026 Jun 19;39(4):101630. doi: 10.1016/j.aucc.2026.101630. Epub ahead of print. PMID: 42320372.
136. Humphries B, Zytaruk N, Heels-Ansdell D, **Lau V**, Rochweg B, Fowler R, Yao Y, Cook DJ, Xie F. Protocol for an economic evaluation alongside the Re- Evaluating the Inhibition of Stress Erosions (E-REVISE) trial. *BMJ Open*. 2025 Nov 9;15(11):e106841. doi: 10.1136/bmjopen-2025-106841. PMID: 41213683; PMCID: PMC12658520.
137. Leigh JP, Moss SJ, Mizen SJ, Brown H, Sriskandarajah C, Stelfox M, Halperin DM, Halperin SA, Ahmed SB, Lorenzetti DL, Smith S, Harley M, Tutelman PR, Birnie KA, Anglin MC, **Stelfox HT**, Racine N, Fiest KM. Engaging families to create a better post-pandemic future: semi-structured interviews with youth and parents in Canada. *BMC Public Health*. 2025 Dec 1;25(1):4202. doi: 10.1186/s12889-025-24244-4. PMID: 41327122; PMCID: PMC12667078.

138. Mazurak VC, Rivas-Serna IM, Parsons SR, Monirujjaman M, Maybank KE, **Rewa OG**, Cave AJ, Richard C, Clandinin MT. Association between enteral essential fatty acids and plasma phospholipid essential fatty acids related immune response in critically ill adults with COVID-19: A prospective cohort study. *JPEN J Parenter Enteral Nutr.* 2025 Oct;49(7):875-882. doi: 10.1002/jpen.2783. Epub 2025 Jun 27. PMID: 40579756; PMCID: PMC12512006.
139. O'Dochartaigh D, **Douma MJ**, Picard C, Violato E, Poole A, Gauthier J, Armour A, Tiwana D, Harrigan T, Gabriel V, Brown J, Ghosh SM, MacNairn I, Khangura J, Boucher H, Robinson L, Watt L, Van Nest J, Bown JL, Mageau A, Crooks S, Efegoma Y, Byrnes K, Middleton S, Hayward J, Whiteside B, Dong K, Hyshka E, Zakhary M, Maclean S. Comparison of iloprost therapy versus non-iloprost therapy for severe frostbite: a retrospective cohort study of two Canadian cities. *BMJ Open.* 2026 May 18;16(5):e110475. doi: 10.1136/bmjopen-2025-110475. PMID: 42150831; PMCID: PMC13185037.
140. Grand J, Lau FF, Hassager C, Bro-Jeppesen J, Møller JE, Jakobsen JC, Taccone FS, Russo JJ, Ameloot K, Skrifvars MB, **vanDiepen S**, Kjærgaard J. Advanced Hemodynamic Monitoring During Postresuscitation Care After Out-of-Hospital Cardiac Arrest: Protocol for a Scoping Review. *Acta Anaesthesiol Scand.* 2026 Apr;70(4):e70224. doi: 10.1111/aas.70224. PMID: 41840358; PMCID: PMC12992673.
141. Pawar S, Bansal K, Abbott JD, Katz JN, Dudzinski DM, **vanDiepen S**, Solomon MA, Ton VK, Vallabhajosyula S. Association Between Hospital Tier and Cardiogenic Shock Outcomes in the United States. *JACC Heart Fail.* 2026 Jul;14(7):103100. doi: 10.1016/j.jchf.2026.103100. Epub 2026 May 9. PMID: 42104977.
142. Hammal F, Opgenorth D, Robertson K, Pannu N, Klarenbach S, James MT, Tolwani A, Heung M, Neyra JA, Mottes T, Clark EG, Kung JY, **Bagshaw SM**, **Rewa OG**. Key Performance Indicators for Acute Intermittent Renal Replacement Therapy in Critically Ill Patients: A Systematic Review. *Blood Purif.* 2026 Feb 27;1-22. doi: 10.1159/000551175. Epub ahead of print. PMID: 41758732.
143. Shysh AC, McAlister FA, Manh Chu L, Weatherald J, **Bagshaw SM**, Parhar KKS, **Zampieri FG**, Jentzer JC, Youngson E, Kadri SS, Kaul P, **vanDiepen S**. New and persistent psychoactive medication use in intensive care unit survivors with COVID-19: a multicentre population-based cohort study. *Can J Anaesth.* 2026 May;73(5):490-500. English. doi: 10.1007/s12630-026-03140-4. Epub 2026 Jun 9. PMID: 42265410.
144. Moss SJ, Zuniga Chacon C, Hekmati FB, Siddiqui SA, Stelfox M, Ahmed SB, Birnie K, Halperin D, Halperin SA, Tutelman PR, **Stelfox HT**, Fiest KM, Parsons Leigh J. Models, frameworks, and strategies used to implement digital interventions targeted to youth mental health: a scoping review protocol. *BMJ Open.* 2025 Oct 6;15(10):e083285. doi: 10.1136/bmjopen-2023-083285. PMID: 41057180; PMCID: PMC12506113.
145. Pisani L, Di Lecce P, Sendagire C, Pari V, Olivieri C, Uddin RAME, Aryal D, Athapattu P, **Bagshaw SM**, Burghi G, Buanes EA, Christensen S, Dwyer R, FernándezAL, Finazzi S, Guidet B, Harrison D, Hanciles E, Hashmi M, Hashimoto S, Ichihara N, Lone NI, Arias López MDP, Minh YL, Perren A, Phommason K, Pilcher D, Reinikainen M, Waweru-Siika

W, Siaw-Frimpong M, Sigurdsson MI, Shamal M, Sultan M, Palo JEM, Thomson D, Vijayaraghavan BKT, Beane A, Haniffa R, Dongelmans DA, Lipcsey M, Salluh JIF. Characteristics of intensive care unit registries - findings from the Global Registry ICU Datasets (GRID) survey. *Crit Care Sci.* 2026 Jan 30;38:e20260168. doi: 10.62675/2965-2774.20260168. PMID: 41637328; PMCID: PMC12977222.

146. Kilcommons S, **Andersen S**, Mellett J, **Douma MJ**, Opgenorth D, **Bagshaw SM**, **Rewa O**, Fiest K, **Lau V**, Deschenes S. Exploring the factors affecting ICU nurse retention during and post-COVID-19: A qualitative descriptive interview study. *Intensive Crit Care Nurs.* 2026 Apr;93:104294. doi: 10.1016/j.iccn.2025.104294. Epub 2025 Dec 5. PMID: 41352253.
147. Singam NSV, Padkins M, Papolos AI, Kenigsberg BB, Berg D, Katz JN, **van Diepen S**, Steverson AK, Rose SW, Wang J, Bohula EA, Park JG, Morrow DA, Barsness GW, Jentzer JC. Acute Kidney Injury and Outcomes in the Cardiac Intensive Care Unit: Insights from the Critical Care Cardiology Trials Network. *J Intensive Care Med.* 2026 Apr 9;8850666261440201. doi: 10.1177/08850666261440201. Epub ahead of print. PMID: 41954488.
148. George SS, Adam B, **Senaratne JM**. Delayed diagnosis of recurrent embolic strokes from cardiac myxoma coexisting with antiphospholipid syndrome presenting as progressive cognitive decline. *BMJ Case Rep.* 2026 Feb 25;19(2):e269302. doi: 10.1136/bcr-2025-269302. PMID: 41741122.
149. Vranckx P, Menon V, **vanDiepen S**. Not too much, not too little: the TOP trial and the Goldilocks zone of transfusion. *Eur Heart J Acute Cardiovasc Care.* 2025 Dec 22;14(11):685-686. doi: 10.1093/ehjacc/zuaf153. PMID: 41239189.
150. Stotts C, Corrales-Medina VF, deKemp RA, Wells GA, Beanlands R, Raggi P, Ferrara G, **Sligl W**, A Connelly K, Paul N, Brouwers M, Contreras-Dominguez V, Yadav K, Torres C, Tavoosi A, Wiefels C, Kirpalani A, Romsa JG, Grey B, Deva D, Rayner K, Boczar KE. Targeting Vascular Inflammation In Patients with Community- Acquired Pneumonia (TIN-CAP): protocol for a multicentre, randomised, double- blind, placebo-controlled trial. *BMJ Open.* 2026 Mar 4;16(3):e114239. doi: 10.1136/bmjopen-2025-114239. PMID: 41781043; PMCID: PMC12970131.
151. Pretty S, O'Dochartaigh D, Cross E, Violato E, Zwicker J, Gauri A, Chen P, Cravetchi X, Widder S, **Parker A**, Aguilar LS, **Douma MJJ**, Chang E. Prehospital Fibrinogen Levels in Major Trauma Patients Transported by Helicopter Emergency Medical Service: Determining Who Might Benefit. *J Spec Oper Med.* 2025 Dec 1;25(4):26-32. doi: 10.55460/T0ZU-OA0G. PMID: 41402981.
152. Vranckx P, Morrow D, **vanDiepen S**, Verbrugge FH. 'Shocking' disparities and promising prognostics: advances in resuscitation science. *Eur Heart J Acute Cardiovasc Care.* 2025 Oct 12;14(10):579-580. doi: 10.1093/ehjacc/zuaf106. PMID: 41076278.
153. **Zampieri FG**, Rathwell S, McAlister FA, Ross H, Escobedo J, Saldarriaga C, Colin-Ramirez E, Troughton RW, Macdonald P, Alemayehu W, Ezekowitz JA; SODIUM-HF Investigators. Heterogeneity in Treatment Effects in the Reduction of Dietary Sodium to

Less Than 100 mmol in Heart Failure (SODIUM-HF): A Secondary Post Hoc Analysis. J Card Fail. 2026 Feb;32(2):371-381. doi: 10.1016/j.cardfail.2025.01.027. Epub 2025 Mar 3. PMID: 40043831.

154. Hill AD, Walkey A, Burry L, Juurlink DN, Bosch NA, Teja B, **Stelfox HT**, Gershengorn HB, Iwashyna TJ, Wunsch H. Use and dosing of ketamine infusions in mechanically ventilated patients: a population-based cohort study of ICUs in Alberta Canada. Br J Anaesth. 2026 May;136(5):1675-1678. doi: 10.1016/j.bja.2025.12.055. Epub 2026 Feb 26. PMID: 41760541.
155. Vranckx P, Morrow D, **vanDiepen S**, Verbrugge FH. 'November has come: breaking ground in acute cardiovascular care'. Eur Heart J Acute Cardiovasc Care. 2025 Dec 22;14(11):639-640. doi: 10.1093/ehjacc/zuaf135. PMID: 41424081.
156. Murad-Kassam S, Sydora BC, **Khadaroo RG**, Spiers JA. Healthcare Providers' Perception of Implementing the Bedside Exercises for Hospital Fitness (BE-FIT) Patient-Led Rehabilitation Program for Older Patients: A Qualitative Descriptive Study. Clin Interv Aging. 2026 Mar 19;21:566353. doi: 10.2147/CIA.S566353. PMID: 41878687; PMCID: PMC13007673.
157. Vranckx P, Morrow D, **vanDiepen S**, Verbrugge FH. Savouring the latest in acute cardiovascular care: fresh from Madrid. Eur Heart J Acute Cardiovasc Care. 2025 Oct 7;14(9):509-510. doi: 10.1093/ehjacc/zuaf105. PMID: 41055577.
158. Vranckx P, Morrow DA, **vanDiepen S**, Verbrugge FH. Pioneering progress in cardiogenic shock: a bold leap into the future of acute cardiovascular care. Eur Heart J Acute Cardiovasc Care. 2025 Jul 3;14(6):311-312. doi: 10.1093/ehjacc/zuaf078. PMID: 40607997.
159. Vranckx P, Morrow D, **vanDiepen S**, Verbrugge FH. All creatures are equal: yet some are more reported than others. Eur Heart J Acute Cardiovasc Care. 2026 May 19;15(5):371-372. doi: 10.1093/ehjacc/zuag039. PMID: 42083762.
160. Grand J, Vranckx P, **vanDiepen S**. DAPT-SHOCK-AMI: does faster and more complete platelet inhibition translate to improved clinical outcomes? Eur Heart J Acute Cardiovasc Care. 2025 Oct 7;14(9):562-564. doi: 10.1093/ehjacc/zuaf117. PMID: 40924857.
161. Vranckx P, Morrow D, **vanDiepen S**, Verbrugge FH. New horizons in acute cardiovascular care: from tiny hearts to timely diagnoses. Eur Heart J Acute Cardiovasc Care. 2025 Aug 7;14(8):441-442. doi: 10.1093/ehjacc/zuaf094. PMID: 40726330.
162. Vranckx P, Morrow D, **vanDiepen S**, Verbrugge FH. Bright days, critical decisions: evolving strategies in cardiogenic shock and OMI. Eur Heart J Acute Cardiovasc Care. 2025 Aug 6;14(7):383-384. doi: 10.1093/ehjacc/zuaf091. PMID: 40677208.
163. Cardoso FS, **Karvellas CJ**. How to interpret changes in liver tests after blood purification in critically ill patients with liver failure. Intensive Care Med. 2025

Nov;51(11):2149-2151. doi: 10.1007/s00134-025-08101-x. Epub 2025 Sep 9. PMID: 40924144.

164. Carnicelli AP, **vanDiepen S**, Gage A, Bernhardt AM, Cowger J, Houston BA, Siuba MT, Kataria R, Beavers CJ, John KJ, Meyns B, Kapur NK, Tedford RJ, Kanwar M. Corrigendum to 'Pragmatic approach to temporary mechanical circulatory support in acute right ventricular failure' [J Heart Lung Transplant (2024) 1894-1904]. J Heart Lung Transplant. 2025 Dec;44(12):2047-2048. doi: 10.1016/j.healun.2025.08.008. Epub 2025 Aug 28. Erratum for: J Heart Lung Transplant. 2024 Nov;43(11):1894-1904. doi: 10.1016/j.healun.2024.07.006. PMID:40874878.
165. Kusirisin P, **Zampieri FG**, **Bagshaw SM**. Sodium Bicarbonate in Severe Acidemia and Acute Kidney Injury-Turning the Tide or Chasing a Myth? JAMA. 2025 Dec 9;334(22):1986-1987. doi: 10.1001/jama.2025.20457. PMID: 41159825.
166. Marinho LL, Lileikyte G, Boileau P, Lu Y, Churpek M, Spicer A, Harhay M, Chen Z, Luk A, **Zampieri FG**, Tavares CAM, Proudfoot A, Pop C, Deschênes PJF, Zarychanski R, Lothar S, Abrahão Hajjar L, Jentzer JC, **vanDiepen S**, di Santo P, Mathew R, Lawler PR. Evaluating possible treatment effect heterogeneity in a randomized trial of milrinone versus dobutamine in cardiogenic shock. Crit Care. 2026 May 21;30(1):310. doi: 10.1186/s13054-026-05938-6. PMID: 42298588; PMCID: PMC13267396.
167. Berrio-Valencia M, Al-Bayati M, Baxi A, Branje K, Chitiva-Martinez I, Hladkiewicz E, Kidd G, Hutton B, Wolfe DM, Lalu M, Boet S, Gillis C, Mclsaac D, **Canadian Prehabilitation Knowledge Network Authorship Group (Khadaroo RG)**. Adherence to prehabilitation in adult surgical patients: a systematic review, meta-analysis, meta-regression, and qualitative synthesis. British Journal of Anaesthesia, 2025 Sep;135(3):582-593. doi: 10.1016/j.bja.2025.06.003
168. Hladkiewicz E, Kidd G, Flexman A, Garland A, Hallet J, Kobewka D, McGarr M, Talarico R, van Walraven C, Wijeyesundera DN, Wong CL, Mclsaac D, **NOTIFY Investigator Group (Khadaroo RG)**. Description and validation of the Postoperative Discharge Recovery State outcome: a patient-partnered population-based cohort study. British Journal of Anaesthesia, 2025 Sep;135(3):746-754. doi: 10.1016/j.bja.2025.05.020
169. Park LJ, Borges FK, Ofori S, Nenshi R, **Jacka M**, Heels-Ansdell D, Bogach J, Vogt K, Chan MT, Verghese A, Polanczyk CA, Skinner D, Asencio JM, Paniagua P, Rosen M, Serrano PE, Marcaccio MJ, Simunovic M, Thabane L, Devereaux PJ. Association between Complications and Death Within 30 days after General Surgery: A Vascular Event in Noncardiac Surgery Patients Cohort Evaluation (VISION) Substudy. Ann Surg. 2025 Dec 1;282(6):1007-1013. doi: 10.1097/SLA.0000000000006372. Epub 2024 Jun 11. PMID: 38860367.
170. Marcucci M, Chan MTV, Painter TW, Efremov S, Aguado HJ, Astrakov SV, Kleinlugtenbelt YV, Patel A, Cata JP, Amir M, Kirov M, Leslie K, Duceppe E, Borges FK, de Nadal M, Tandon V, Landoni G, Likhvantsev VV, Lomivorotov V, Sessler DI, Martínez-Zapata MJ, Xavier D, Fleischmann E, Wang CY, Meyhoff CS, Wittmann M, Torres D, Highton D, **Jacka M**, B V, Zarnke K, Sidhu RS, Oriani G, Ayad S, Minear S, Weaver TE, Ruetzler K, Brusasco C, Parlow JL, Maxwell E, Miller S, Mrkobrada M, Bhatt KSC, Rahate

P, Kowark A, De Blasio G, Ofori SN, Conen D, Srinathan S, Szczeklik W, Jayaram R, Ellerkmann RK, Momeni M, Copland I, Vincent J, Balasubramanian K, Li Z, Wang MK, Li D, McGillion MH, Kurz A, Sharma M, Short TG, Devereaux PJ; cogPOISE-3 Trial Investigators and Study Groups. Effects of a Hypotension-Avoidance Versus a Hypertension-Avoidance Strategy on Neurocognitive Outcomes After Noncardiac Surgery. *Ann Intern Med*. 2025 Jul;178(7):909-920. doi: 10.7326/ANNALS-24-02841. Epub 2025 Jun 3. PMID: 40456161.

171. Heffernan M, Taylor B, **Cowan S**, Newberry R, Lauria M. Transport of the Open Abdomen: A Review. *Air Med J*. 2026 Jul-Aug;45(4):381-384. doi: 10.1016/j.amj.2026.02.012. Epub 2026 Mar 28. PMID: 42331493.