

**Department of Anesthesiology and Perioperative Medicine**  
**FY23 Publications (7-1-2022 to 6-30-2023)**

\*\*\*\*\* 74 Unique papers

**Brookes, Paul**

Milliken AS, Nadtochiy SM, **Brookes PS**. *Inhibiting Succinate Release Worsens Cardiac Reperfusion Injury by Enhancing Mitochondrial Reactive Oxygen Species Generation*. *J Am Heart Assoc*. Jul 5 2022;11(13):e026135

Sautchuk R, Jr., Yu C, McArthur M, **Brookes, PS**, et al. *Role of the Mitochondrial Permeability Transition in Bone Metabolism and Aging*. *J Bone Miner Res*. Apr 2023;38(4):522-540.

Milliken AS, Ciesla JH, Nadtochiy SM, **Brookes PS** *Distinct effects of intracellular vs. extracellular acidic pH on the cardiac metabolome during ischemia and reperfusion*. *J Mol Cell Cardiol*. 2023 Jan; 174:101-114.

Paine A, **Brookes PS**, Bhattacharya S, Li D, De La Luz Garcia-Hernandez M, Tausk F, Ritchlin C *Dysregulation of Bile Acids, Lipids, and Nucleotides in Psoriatic Arthritis Revealed by Unbiased Profiling of Serum Metabolites*. *Arthritis Rheumatol*. 2023 Jan;75(1):53-63

Mia S, Sonkar R, Williams L, Latimer MN, Rawnsley DR, Rana S, He J, Dierickx P, Kim T, Xie M, Habegger KM, Kubo M, Zhou L, Thomsen MB, Prabhu SD, Frank SJ, **Brookes PS**, Lazar MA, Diwan A, Young ME. *Novel Roles for the Transcriptional Repressor E4BP4 in Both Cardiac Physiology and Pathophysiology*. *JACC Basic Transl Sci*. 2023 Jun 14;8(9):1141-1156.

**Chang, Francis**

Gu Y, Lander HL, Abozaid R, **Chang FM**, Lebow, BF, Panda, K, Wyrobek, JA., et al. *Anesthetic Management and Considerations for Electrophysiology Procedures*. *Adv Anesth*. Dec 2022;40(1):131-147.

**Dooley, Joseph**

Rappaport SH, Vineyard T, Hack M, Shah T, **Dooley JW**. *Lanthanum masquerading as foreign body ingestion in a critically ill patient with end-stage renal disease*. *Am J Health Syst Pharm*. Mar 21 2023;80(7):430-434.

**Dworkin, Robert**

Abraham L, **Dworkin RH**, Turk DC, et al. *Examining the Relationships Among Treatment, Pain, and Physical Function in Patients With Osteoarthritis: A Mediation-Modeling Approach*. *Clin J Pain*. Apr 1 2023;39(4):159-165.

Faber CG, Attal N, Lauria G, **Dworkin, RH**, et al. *Efficacy and safety of vixotrigine in idiopathic or diabetes-associated painful small fibre neuropathy (CONVEY): a phase 2 placebo-controlled enriched-enrolment randomised withdrawal study*. *EClinicalMedicine*. May 2023;59:101971.

Luana Colloca<sup>1</sup>, Robert H Dworkin<sup>2</sup>, , et. al Treatment Responses in Patients With Osteoarthritis: Results From Two Phase III Tanezumab Randomized Clinical Trials 2023 Apr;113(4):878-886.

**Dworkin, RH** et. Al Examining the Relationships Among Treatment, Pain, and Physical Function in Patients With Osteoarthritis: A Mediation-Modeling Approach 2023 Apr 1;39(4):159-165

Henn AT, Larsen B, Frahm L, **Dworkin, RH**, et al. Structural imaging studies of patients with chronic pain: an anatomical likelihood estimate meta-analysis. *Pain.* Jan 1 2023;164(1):e10-e24.

Hohenschurz-Schmidt DJ, Cherkin D, Rice ASC, **Dworkin, RH**, Gewandter, JS, et al. Research objectives and general considerations for pragmatic clinical trials of pain treatments: IMMPACT statement. *Pain.* Jul 1 2023;164(7):1457-1472.

Holzer KJ, Veasley C, Kerns RD, **Dworkin, RH**, Gewandter, JS, et al. Partnering with patients in clinical trials of pain treatments: a narrative review. *Pain.* Oct 1 2022;163(10):1862-1873.

Kleykamp BA, Ferguson MC, McNicol E, **Dworkin, RH**, et al. A comparison of registered and published primary outcomes in clinical trials of opioid use disorder: ACTION review and recommendations. *Drug Alcohol Depend.* Jul 1 2022;236:109447.

Langford DJ, Baron R, Edwards RR, **Dworkin RH**, Gewandter, JS, et al. What should be the entry pain intensity criteria for chronic pain clinical trials? An IMMPACT update. *Pain.* Sep 1 2023;164(9):1927-1930

Langford DJ, Gewandter JS, Amtmann D, **Dworkin, RH**, et al. Initial Content Validation and Roadmap for a New Patient-Reported Outcome Measure of Pain Intensity. *J Pain.* Nov 2022;23(11):1945-1957.

Langford DJ, Gewandter JS, Amtmann D, **Dworkin, RH**, et al. Patient-Reported Chronic Pain Intensity: More Than Meets the Eye. *Patient.* Jul 2022;15(4):383-387.

Vollert J, Kleykamp BA, Farrar JT, **Dworkin, RH**, et al. Real-world data and evidence in pain research: a qualitative systematic review of methods in current practice. *Pain Rep.* Mar-Apr 2023;8(2):e1057.

Zia FZ, Baumann MH, Belouin SJ, **Dworkin, RH**, et al. Are psychedelic medicines the reset for chronic pain? Preliminary findings and research needs. *Neuropharmacology.* Aug 1 2023;233:109528

Kiluk BD, Kleykamp BA, Comer SD, Griffiths RR, Huhn AS, Johnson MW, **Dworkin RH**, et al. Clinical Trial Design Challenges and Opportunities for Emerging Treatments for Opioid Use Disorder: A Review. *AMA Psychiatry* 2023 Jan 1;80(1):84-92.

Langford DJ, Sharma S, McDermott MP, Beeram A, Besharat S, France FO, Mark R, Park M, Nishtar M, Turk DC, **Dworkin RH**, Gewandter JS. *Covariate Adjustment in Chronic Pain Trials: An Oft-Missed Opportunity.* J Pain. 2023 Sep;24(9):1555-1569.

Ferguson MC, McNicol E, Kleykamp BA, Sandoval K, Haroutounian S, Holzer KJ, Kerns RD, Veasley C, Turk DC, **Dworkin RH**. *Perspectives on Participation in Clinical Trials Among Individuals With Pain, Depression, and/or Anxiety: An ACTION Scoping Review.* J Pain. 2023 Jan;24(1):24-37

Nayak SM, Bradley MK, Kleykamp BA, Strain EC, **Dworkin RH**, Johnson MW. *Control Conditions in Randomized Trials of Psychedelics: An ACTION Systematic Review.* J Clin Psychiatry. 2023 May 10;84(3):22r14518.

Langford DJ, Lou R, Sheen S, Amtmann D, Colloca L, Edwards RR, Farrar JT, Katz NP, McDermott MP, Reeve BB, Wasan AD, Turk DC, **Dworkin RH**, Gewandter JS. *Expectations for Improvement: A Neglected but Potentially Important Covariate or Moderator for Chronic Pain Clinical Trials.* J Pain. 2023 Apr;24(4):575-581.

**Dworkin RH**, Anderson BT, Andrews N, Edwards RR, Grob CS, Ross S, Satterthwaite TD, Strain EC. *If the Doors of Perception Were Cleansed, Would Chronic Pain be Relieved? Evaluating the Benefits and Risks of Psychedelics.* J Pain. 2022 Oct;23(10):1666-1679.

Edwards RR, Schreiber KL, **Dworkin RH**, Turk DC, Baron R, Freeman R, Jensen TS, Latremoliere A, Markman JD, Gewandter JS, et al. *Optimizing and Accelerating the Development of Precision Pain Treatments for Chronic Pain: IMMPACT Review and Recommendations.* J Pain. 2023 Feb;24(2):204-225

### **Eaton, Michael**

Glance LG, Benesch CG, Holloway RG, Nadler, JW, **Eaton, MP**, et al. *Association of Time Elapsed Since Ischemic Stroke With Risk of Recurrent Stroke in Older Patients Undergoing Elective Nonneurologic, Noncardiac Surgery.* JAMA Surg. Aug 1 2022;157(8):e222236.

Glance LG, Joynt Maddox KE, Mazzeffi M, **Eaton, MP**, Wu, I, Wyrobek J, et al. *Racial and Ethnic Disparities in Access to Minimally Invasive Mitral Valve Surgery.* JAMA Netw Open. Dec 1 2022;5(12):e2247968

Gloff MS, Mazzeffi M, **Eaton M**. *Preoperative Anemia Treatment in Cardiac Surgery: Past Due and Time to Act.* J Cardiothorac Vasc Anesth. Feb 2023;37(2):276-278.

Lustik SJ, Stern DH, **Eaton MP**. *Optimum Call Distribution: Market-Based Approach.* Anesth Analg. Sep 1 2022;135(3):663-666.

Sergiy M Nadtochiy, Tatsiana Stefanos **Eaton MP** et. al *Intravenous Dabigatran Provides Adequate Anticoagulation for Cardiopulmonary Bypass Using a Rabbit Model* 2023 May 1;138(5):523-532

**Eaton MP**, Nadtochiy SM, Stefanos T, LeMoine D, Anderson BJ. *Delayed concentration effect models for dabigatran anticoagulation.* Paediatr Anaesth. 2022 Oct;32(10):1113-1120.

Nadtochiy SM, Stefanos T, Angona RE, Lebedko N, Baldzizhar A, Feng C, **Eaton MP**. *Rivaroxaban Reduces the Dabigatran Dose Required for Anticoagulation During Simulated Cardiopulmonary Bypass.* Anesth Analg. 2022 Jul 1;135(1):52-59.

### **Gewandter, Jennifer**

**Gewandter JS**, Edwards RR, Hill KP, et al. *Cannabinoid Therapy: Attitudes and Experiences of People With Chronic Pain.* Clin J Pain. Jun 1 2023;39(6):249-258.

Hohenschurz-Schmidt DJ, Cherkin D, Rice ASC, Dworkin, RH, **Gewandter, JS**, et al. *Research objectives and general considerations for pragmatic clinical trials of pain treatments: IMMPACT statement.* Pain. Jul 1 2023;164(7):1457-1472.

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Knoerl R, Berry D, Meyerhardt JA, **Gewandter, JS**, et al. *Identifying participants' preferences for modifiable chemotherapy-induced peripheral neuropathy prevention clinical trial factors: an adaptive choice-based conjoint analysis.* Support Care Cancer. Dec 2022;30(12):9963-9973.

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Langford DJ, **Gewandter JS**, Amtmann D, Dworkin, RH, et al. *Patient-Reported Chronic Pain Intensity: More Than Meets the Eye.* Patient. Jul 2022;15(4):383-387.

Langford DJ, Sharma S, McDermott MP, Beeram A, Besharat S, France FO, Mark R, Park M, Nishtar M, Turk DC, Dworkin RH, **Gewandter JS**, *Covariate Adjustment in Chronic Pain Trials: An Oft-Missed Opportunity.* J Pain. 2023 Sep;24(9):1555-1569

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Edwards RR, Schreiber KL, **Dworkin RH**, Turk DC, Baron R, Freeman R, Jensen TS, Latremoliere A, Markman JD, **Gewandter JS**, et al. Optimizing and Accelerating the Development of Precision Pain Treatments for Chronic Pain: IMMPACT Review and Recommendations. J Pain. 2023 Feb;24(2):204-225

**Gewandter JS**, Sohn MB, De Guzman R, Frazer ME, Chiodo V, Sharma S, Geha P, Markman JD. Predicting Treatment Response with Sensory Phenotyping in Post-Traumatic Neuropathic Pain. Pain Med. 2022 Sep 30;23(10):1726-1732.

### **Glance, Laurent**

**Glance LG**, Benesch CG, Holloway RG, Nadler, JW, Eaton, MP, et al. Association of Time Elapsed Since Ischemic Stroke With Risk of Recurrent Stroke in Older Patients Undergoing Elective Nonneurologic, Noncardiac Surgery. JAMA Surg. Aug 1 2022;157(8):e222236.

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**Glance LG**, Joynt Maddox KE, Mazzeffi M, Eaton, MP, Wu, I, Wyrobek J, et al. Racial and Ethnic Disparities in Access to Minimally Invasive Mitral Valve Surgery. JAMA Netw Open. Dec 1 2022;5(12):e2247968

**Glance LG**, Vutskits L, Davidson A. Prediction Algorithms: Is Peer Review Enough? Anesthesiology. Dec 1 2022;137(6):661-663.

Loria A, **Glance LG**, Melucci AD, et al. Low Preoperative Serum Creatinine is Common and Associated With Poor Outcomes After Nonemergent Inpatient Surgery. Ann Surg. Feb 1 2023;277(2):246-251.

Mazzeffi M, Curley J, Gallo P, **Glance, LG**, et al. Variation in Hospitalization Costs, Charges, and Lengths of Hospital Stay for Coronavirus Disease 2019 Patients Treated With Venovenous Extracorporeal Membrane Oxygenation in the United States: A Cohort Study. J Cardiothorac Vasc Anesth. Aug 2023;37(8):1449-1455.

Mazzeffi MA, Holmes SD, Taylor B, **Glance, LG**, et al. Red Blood Cell Transfusion and Postoperative Infection in Patients Having Coronary Artery Bypass Grafting Surgery: An Analysis of the Society of Thoracic Surgeons Adult Cardiac Surgery Database. Anesth Analg. Sep 1 2022;135(3):558-566.

### **Gloff, Marjorie**

**Gloff MS**, Mazzeffi M, Eaton M. Preoperative Anemia Treatment in Cardiac Surgery: Past Due and Time to Act. *J Cardiothorac Vasc Anesth.* Feb 2023;37(2):276-278.

### **Gu, Yang**

Bjelic M, Kumar N, **Gu Y**, Chase K, Paic F, Gosev I. Cause of In-Hospital Death After Weaning from Venoarterial-Extracorporeal Membrane Oxygenation. *J Intensive Care Med.* Dec 2022;37(12):1545-1552.

**Gu Y**, Lander H, Abozaid R, Chang FM, Lebow, BF, Panda, K, Wyrobek, JA., et al. Anesthetic Management and Considerations for Electrophysiology Procedures. *Adv Anesth.* Dec 2022;40(1):131-147.

Kohli G, George DD, Grenga A, **Gu, Y**, et al. Mechanical Thrombectomy for Ischemic Stroke Secondary to Large Vessel Occlusions in Patients on Extracorporeal Membrane Oxygenation. *Cerebrovasc Dis.* Jan 30 2023:1-7

Wu IY, **Gu Y**, Pospishil L, Neuburger PJ. Transcatheter tricuspid valve repair with the PASCAL repair system: A review of emerging technology. *J Cardiothorac Vasc Anesth.* Oct 2022;36(10):3719-3721.

### **Hirschfeld, Matthew**

Connelly NR, Adler AC, Vanderberg LE, **Hirschfeld, MF**, et al. Anesthesiology Resident Knowledge of Transfusion Medicine: Results From the Anesthesiology Transfusion Education Study. *Anesth Analg.* Dec 12 2022

### **Johnson, Gail**

Emerson J, Delgado T, Girardi P, **Johnson GV**. Deletion of transglutaminase 2 from astrocytes significantly improves their ability to promote neurite outgrowth on an inhibitory matrix. *bioRxiv.* Feb 6 2023

Emerson J, Delgado T, Girardi P, **Johnson GVW**. Deletion of Transglutaminase 2 from Mouse Astrocytes Significantly Improves Their Ability to Promote Neurite Outgrowth on an Inhibitory Matrix. *Int J Mol Sci.* Mar 23 2023;24(7)

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Lin H, Sandkuhler S, Dunlea C, King DH, **Johnson GVW**. *BAG3 regulates the specificity of the recognition of specific MAPT species by NBR1 and SQSTM1*. bioRxiv. 2023 Feb 9:2023.02.08.527546.

### **Karan, Suzanne**

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Love ER, Reminick JI, Dexter F, Goldstein R, Robbins B, **Karan SB**. *Over-Application and Interviewing in the 2021 United States Primary Care Virtual Recruitment Season*. Cureus. May 2023;15(5):e39084.

### **Kundu, Anjana**

Spencer KA, Ramji J, Unadkat P, **Kundu, A**, et al. *Caregiver distress: A mixed methods evaluation of the mental health burden of caring for children with bladder exstrophy*. Front Pediatr. 2022;10:948490.

### **Lander, Heather**

Bral DO, Wyrobek J, **Lander H**, Panda K, Schwarz K. *Systolic Nonclosure of the Mitral Valve: Two Left Ventricular Assist Device Patients with Pan-Cardiac Cycle Mitral Valve Opening During Shock States*. J Cardiothorac Vasc Anesth. Jan 2023;37(1):81-85.

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Gu Y, **Lander H**, Abozaid R, Chang FM, Lebow, BF, Panda, K, Wyrobek, JA., et al. *Anesthetic Management and Considerations for Electrophysiology Procedures*. Adv Anesth. Dec 2022;40(1):131-147.

### **Lebow, Brandon**

Gu Y, Lander HL, Abozaid R, Chang FM, **Lebow, BF**, Panda, K, Wyrobek, JA., et al. *Anesthetic Management and Considerations for Electrophysiology Procedures*. Adv Anesth. Dec 2022;40(1):131-147.

### **Lustik, Stewart**

Glance LG, Dick AW, Shippey E, **Lustik, S.**, Lander H. et al. *Association Between the COVID-19 Pandemic and Insurance-Based Disparities in Mortality After Major Surgery Among US Adults*. JAMA Netw Open. Jul 1 2022;5(7):e2222360.

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### **Mundangepfupfu Ticha**

**Mundangepfupfu T**, Nadler JW. Updates in Prevention of Surgical Site Infection: Comment. *Anesthesiology*. 2023 Apr 1;138(4):446-447.

### **Nadler, Jacob**

Bennett-Guerrero E, Romeiser JL, DeMaria S, **Nadler, JW**, et al. General Anesthetics in Cancer Resection Surgery (GA-CARES) randomized multicenter trial of propofol vs volatile inhalational anesthesia: protocol description. *Perioper Med (Lond)*. Jan 11 2023;12(1):2.

Blacker SN, Vincent A, Burbridge M, **Nadler, JW**, et al. Perioperative Care of Patients Undergoing Major Complex Spinal Instrumentation Surgery: Clinical Practice Guidelines From the Society for Neuroscience in Anesthesiology and Critical Care. *J Neurosurg Anesthesiol*. Jul 1 2022;34(3):257-276.

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### **Nadtochiy, Sergiy**

Milliken AS, **Nadtochiy SM**, Brookes PS. Inhibiting Succinate Release Worsens Cardiac Reperfusion Injury by Enhancing Mitochondrial Reactive Oxygen Species Generation. *J Am Heart Assoc*. Jul 5 2022;11(13):e026135

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**Nadtochiy SM**, Tatsiana Stefanos Eaton MP et. al *Intravenous Dabigatran Provides Adequate Anticoagulation for Cardiopulmonary Bypass Using a Rabbit Model* 2023 May 1;138(5):523-532

Milliken AS, Ciesla JH, **Nadtochiy SM**, Brookes PS *Distinct effects of intracellular vs. extracellular acidic pH on the cardiac metabolome during ischemia and reperfusion.*

### **Panda, Kunal**

Bral DO, Wyrobek J, Lander H, **Panda K**, Schwarz K. *Systolic Nonclosure of the Mitral Valve: Two Left Ventricular Assist Device Patients with Pan-Cardiac Cycle Mitral Valve Opening During Shock States.* *J Cardiothorac Vasc Anesth.* Jan 2023;37(1):81-85.

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### **Papadakos, Peter**

Karim HM, Šarc I, Calandra C, Spadaro S, Mina B, Ciobanu LD, Gonçalves G, Caldeira V, Cabrita B, Perren A, Fiorentino G, Utku T, Piervincenzi E, El-Khatib M, Alpay N, Ferrari R, Abdelrahim ME, Saeed H, Madney YM, Harb HS, Vargas N, Demirkiran H, Bhakta P, **Papadakos P**, Gómez-Ríos MÁ, Abad A, Alqahtani JS, Hadda V, Singha SK, Esquinas AM. *Indian Role of Sedation and Analgesia during Noninvasive Ventilation: Systematic Review of Recent Evidence and Recommendations.* *J Crit Care Med.* 2022 Aug;26(8):938-948.

### **Poli, Joseph**

Motyl CM, Dohring C, Wang ML, **Poli, J**, et al. *Opioid-Sparing Effects of the Bupivacaine Pleural Catheter in Surgical Decompression of the Thoracic Outlet.* *Ann Vasc Surg.* Jan 2023;88:283-290.

### **Pyne, Sonia**

Sulovari A, Laserna A, Lustik S, **Pyne S**. *Endotracheal Tube Cuff Overinflation Leading to Hypoxic Cardiac Arrest: A Case Report and Review of the Literature.* *Cureus.* Aug 2022;14(8):e27610.

### **Stern, David**

Lustik SJ, **Stern DH**, Eaton MP. *Optimum Call Distribution: Market-Based Approach.* *Anesth Analg.* Sep 1 2022;135(3):663-666.

### **Webber, Audra**

**Webber AM.** *Effects of sugammadex on peri-operative oestrogen and progesterone levels in women who take hormonal contraception.* *Anaesthesia.* May 2023;78(5):661.

### **Wojtovich, Andrew**

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### **Wu, Isaac**

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Bjelic M, Wood KL, Simon BV, Vidula H, Cheyne C, Chase K, **Wu IY**, Alexis JD, McNitt S, Goldenberg I, Gosev I. *Left atrial appendage exclusion with less invasive left ventricular assist device implantation.* *J Card Surg.* 2022 Dec;37(12):4967-4974.

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### **Wyrobek, Julie**

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