

**Department of Anesthesiology and Perioperative Medicine  
FY18 publications (July 1, 2017-June 30, 2018)**

\*\*\*\*\* 76 unique papers

**Brookes, Paul**

Roberts R, Laramée RS, Smith GA, **Brookes P**, DCruze T. Smart Brushing for Parallel Coordinates. IEEE Trans Vis Comput Graph. 2018 Feb 26. doi: 10.1109/TVCG.2018.2808969. [Epub ahead of print] PubMed PMID: 29994153.

Nadtochiy SM, Wang YT, Nehrke K, Munger J, **Brookes PS**. Cardioprotection by nicotinamide mononucleotide (NMN): Involvement of glycolysis and acidic pH. J Mol Cell Cardiol. 2018 Aug;121:155-162. doi: 10.1016/j.yjmcc.2018.06.007. Epub 2018 Jun 26. PubMed PMID: 29958828; PubMed Central PMCID: PMC6103815.

Smith CO, Wang YT, Nadtochiy SM, Miller JH, Jonas EA, Dirksen RT, Nehrke K, **Brookes PS**. Cardiac metabolic effects of K(Na)1.2 channel deletion and evidence for its mitochondrial localization. FASEB J. 2018 Jun 4:fj201800139R. doi: 10.1096/fj.201800139R. [Epub ahead of print] PubMed PMID: 29863912.

Zhang J, Wang YT, Miller JH, Day MM, Munger JC, **Brookes PS**. Accumulation of Succinate in Cardiac Ischemia Primarily Occurs via Canonical Krebs cycle Activity. Cell Rep. 2018 May 29;23(9):2617-2628. doi:10.1016/j.celrep.2018.04.104. PubMed PMID: 29847793; PubMed Central PMCID: PMC6002783.

Peoples JNR, Maxmillian T, Le Q, Nadtochiy SM, **Brookes PS**, Porter GA Jr, Davidson VL, Ebert SN. Metabolomics reveals critical adrenergic regulatory checkpoints in glycolysis and pentose-phosphate pathways in embryonic heart. J Biol Chem. 2018 May 4;293(18):6925-6941. doi: 10.1074/jbc.RA118.002566. Epub 2018 Mar 14. PubMed PMID: 29540484; PubMed Central PMCID: PMC5936816.

Sahni PV, Zhang J, Sosunov S, Galkin A, Niatsetskaya Z, Starkov A, **Brookes PS**, Ten VS. Krebs cycle metabolites and preferential succinate oxidation following neonatal hypoxic-ischemic brain injury in mice. Pediatr Res. 2018 Feb;83(2):491-497. doi: 10.1038/pr.2017.277. Epub 2017 Dec 6. PubMed PMID: 29211056; PubMed Central PMCID: PMC5866163.

**Brookes PS**, Taegtmeyer H. Metabolism: A Direct Link Between Cardiac Structure and Function. Circulation. 2017 Nov 28;136(22):2158-2161. doi: 10.1161/CIRCULATIONAHA.117.031372. PubMed PMID: 29180494; PubMed Central PMCID: PMC5785082.

Resseguie EA, **Brookes PS**, O'Reilly MA. SMG-1 kinase attenuates mitochondrial ROS production but not cell respiration deficits during hyperoxia. Exp Lung Res.

2017 Aug - Sep;43(6-7):229-239. doi: 10.1080/01902148.2017.1339143. Epub 2017 Jul 27. PubMed PMID: 28749708; PubMed Central PMCID: PMC5956894.

Nadtochiy SM, Wang YT, Zhang J, Nehrke K, Schafer X, Welle K, Ghaemmaghami S, Munger J, **Brookes PS**. Potential mechanisms linking SIRT activity and hypoxic 2-hydroxyglutarate generation: no role for direct enzyme (de)acetylation. *Biochem J*. 2017 Aug 10;474(16):2829-2839. doi: 10.1042/BCJ20170389. PubMed PMID: 28673962; PubMed Central PMCID: PMC5562404.

Smith CO, Nehrke K, **Brookes PS**. The Slo(w) path to identifying the mitochondrial channels responsible for ischemic protection. *Biochem J*. 2017 Jun 9;474(12):2067-2094. doi: 10.1042/BCJ20160623. Review. PubMed PMID: 28600454; PubMed Central PMCID: PMC5568769.

Wang H, Huwaimel B, Verma K, Miller J, Germain TM, Kinarivala N, Pappas D, **Brookes PS**, Trippier PC. Synthesis and Antineoplastic Evaluation of Mitochondrial Complex II (Succinate Dehydrogenase) Inhibitors Derived from Atpenin A5. *ChemMedChem*. 2017 Jul 6;12(13):1033-1044. doi: 10.1002/cmdc.201700196. Epub 2017 Jun 12. PubMed PMID: 28523727; PubMed Central PMCID: PMC5557372.

### **Chima, Adaora**

**Chima AM**, Koka R, Lee B, Tran T, Ogbuagu OU, Nelson-Williams H, Rosen M, Koroma M, Sampson JB. Medical Simulation as a Vital Adjunct to Identifying Clinical Life-Threatening Gaps in Austere Environments. *Journal of the National Medical Association*. 2018;110(2):117-123.

### **Dworkin, Robert**

Patel KV, Allen R, Burke L, Farrar JT, Gewandter JS, Gilron I, Katz NP, Markman JD, Marshall SF, Resnick M, Rice ASC, Rowbotham MC, Smith SM, Vanhove GF, Wasan AD, Zhang S, **Dworkin RH**, Turk DC. Evaluation of composite responder outcomes of pain intensity and physical function in neuropathic pain clinical trials: an ACTION individual patient data analysis. *Pain*. 2018 Jun 25. doi: 10.1097/j.pain.0000000000001324. [Epub ahead of print] PubMed PMID: 30001225.

Ward DS, Williams MR, Berkenbosch JW, Bhatt M, Carlson D, Chappell P, Clark RM, Constant I, Conway A, Cravero J, Dahan A, Dexter F, Dionne R, **Dworkin RH**, Gan TJ, Gozal D, Green S, Irwin MG, Karan S, Kochman M, Lerman J, Lightdale JR, Litman RS, Mason KP, Miner J, O'Connor RE, Pandharipande P, Riker RR, Roback MG, Sessler DI, Sexton A, Tobin JR, Turk DC, Twersky RS, Urman RD, Weiss M, Wunsch H, Zhao-Wong A. Evaluating Patient-Centered Outcomes in Clinical Trials of Procedural Sedation, Part 2 Safety: Sedation Consortium on Endpoints and Procedures for Treatment, Education, and Research Recommendations. *Anesth Analg*. 2018 May 17. doi: 10.1213/ANE.0000000000003409. [Epub ahead of print] PubMed PMID: 29782404.

Price TJ, Basbaum AI, Bresnahan J, Chambers JF, De Koninck Y, Edwards RR, Ji RR, Katz J, Kavelaars A, Levine JD, Porter L, Schechter N, Sluka KA, Terman GW, Wager TD, Yaksh TL, **Dworkin RH**. Transition to chronic pain: opportunities for novel therapeutics. Nat Rev Neurosci. 2018 May 15. doi: 10.1038/s41583-018-0012-5. [Epub ahead of print] PubMed PMID: 29765159.

Smith SM, Jensen MP, He H, Kitt R, Koch J, Pan A, Burke LB, Farrar JT, McDermott MP, Turk DC, **Dworkin RH**. A Comparison of the Assay Sensitivity of Average and Worst Pain Intensity in Pharmacologic Trials: An ACTION Systematic Review and Meta-Analysis. J Pain. 2018 Sep;19(9):953-960. doi: 10.1016/j.jpain.2018.02.016. Epub 2018 Mar 26. Review. PubMed PMID: 29597081.

Gewandter JS, Chaudari J, Iwan KB, Kitt R, As-Sanie S, Bachmann G, Clemens Q, Lai HH, Tu F, Verne GN, Vincent K, Wesselmann U, Zhou Q, Turk DC, **Dworkin RH**, Smith SM. Research Design Characteristics of Published Pharmacologic Randomized Clinical Trials for Irritable Bowel Syndrome and Chronic Pelvic Pain Conditions: An ACTION Systematic Review. J Pain. 2018 Jul;19(7):717-726. doi: 10.1016/j.jpain.2018.01.007. Epub 2018 Feb 2. Review. PubMed PMID: 29412183; PubMed Central PMCID: PMC6026036.

Walco GA, Kopecky EA, Weisman SJ, Stinson J, Stevens B, Desjardins PJ, Berde CB, Krane EJ, Anand KJS, Yaster M, Dampier CD, **Dworkin RH**, Gilron I, Lynn AM, Maxwell LG, Raja S, Schachtel B, Turk DC. Clinical trial designs and models for analgesic medications for acute pain in neonates, infants, toddlers, children, and adolescents: ACTION recommendations. Pain. 2018 Feb;159(2):193-205. doi: 10.1097/j.pain.0000000000001104. PubMed PMID: 29140927; PubMed Central PMCID: PMC5949239.

Williams MR, Nayshtut M, Hoefnagel A, McKeown A, Carlson DW, Cravero J, Lightdale J, Mason KP, Wilson S, Turk DC, **Dworkin RH**, Ward DS. Efficacy Outcome Measures for Pediatric Procedural Sedation Clinical Trials: An ACTION Systematic Review. Anesth Analg. 2018 Mar;126(3):956-967. doi: 10.1213/ANE.0000000000002456. PubMed PMID: 28922236.

Gewandter JS, Freeman R, Kitt RA, Cavaletti G, Gauthier LR, McDermott MP, Mohile NA, Mohlie SG, Smith AG, Tejani MA, Turk DC, **Dworkin RH**. Chemotherapy-induced peripheral neuropathy clinical trials: Review and recommendations. Neurology. 2017 Aug 22;89(8):859-869. doi: 10.1212/WNL.0000000000004272. Epub 2017 Jul 26. Review. PubMed PMID: 28747442.

Ward DS, Williams MR, Turk DC, **Dworkin RH**, Sessler DI, Dexter F; SCEPTER Authors. Recommendations for Procedural Sedation Clinical Trials. Anesth Analg. 2017 Aug;125(2):703-704. doi: 10.1213/ANE.0000000000002225. PubMed PMID: 28737521.

Gewandter JS, McDermott MP, Kitt RA, Chaudari J, Koch JG, Evans SR, Gross RA, Markman JD, Turk DC, **Dworkin RH**. *Interpretation of CIs in clinical trials with non-significant results: systematic review and recommendations*. *BMJ Open*. 2017 Jul 18;7(7):e017288. doi: 10.1136/bmjopen-2017-017288. Review. PubMed PMID: 28720618; PubMed Central PMCID: PMC5726092.

Kent ML, Tighe PJ, Belfer I, Brennan TJ, Bruehl S, Brummett CM, Buckenmaier CC 3rd, Buvanendran A, Cohen RI, Desjardins P, Edwards D, Fillingim R, Gewandter J, Gordon DB, Hurley RW, Kehlet H, Loeser JD, Mackey S, McLean SA, Polomano R, Rahman S, Raja S, Rowbotham M, Suresh S, Schachtel B, Schreiber K, Schumacher M, Stacey B, Stanos S, Todd K, Turk DC, Weisman SJ, Wu C, Carr DB, **Dworkin RH**, Terman G. *The ACTION-APS-AAPM Pain Taxonomy (AAAPT) Multidimensional Approach to Classifying Acute Pain Conditions*. *J Pain*. 2017 May;18(5):479-489. doi: 10.1016/j.jpain.2017.02.421. PubMed PMID: 28495013.

Kent ML, Tighe PJ, Belfer I, Brennan TJ, Bruehl S, Brummett CM, Buckenmaier CC 3rd, Buvanendran A, Cohen RI, Desjardins P, Edwards D, Fillingim R, Gewandter J, Gordon DB, Hurley RW, Kehlet H, Loeser JD, Mackey S, McLean SA, Polomano R, Rahman S, Raja S, Rowbotham M, Suresh S, Schachtel B, Schreiber K, Schumacher M, Stacey B, Stanos S, Todd K, Turk DC, Weisman SJ, Wu C, Carr DB, **Dworkin RH**, Terman G. *The ACTION-APS-AAPM Pain Taxonomy (AAAPT) Multidimensional Approach to Classifying Acute Pain Conditions*. *Pain Med*. 2017 May 1;18(5):947-958. doi: 10.1093/pm/pnx019. PubMed PMID: 28482098; PubMed Central PMCID: PMC5431381.

Smith SM, Jones JK, Katz NP, Roland CL, Setnik B, Trudeau JJ, Wright S, Burke LB, Comer SD, Dart RC, Dionne R, Haddox JD, Jaffe JH, Kopecky EA, Martell BA, Montoya ID, Stanton M, Wasan AD, Turk DC, **Dworkin RH**. *Measures That Identify Prescription Medication Misuse, Abuse, and Related Events in Clinical Trials: ACTION Critique and Recommended Considerations*. *J Pain*. 2017 Nov;18(11):1287-1294. doi: 10.1016/j.jpain.2017.03.015. Epub 2017 May 4. PubMed PMID: 28479207; PubMed Central PMCID: PMC5660635.

Gauthier LR, **Dworkin RH**, Warr D, Pillai Riddell R, Macpherson AK, Rodin G, Zimmermann C, Lawrence Librach S, Moore M, Shepherd FA, Gagliese L. *Age-Related Patterns in Cancer Pain and Its Psychosocial Impact: Investigating the Role of Variability in Physical and Mental Health Quality of Life*. *Pain Med*. 2018 Apr 1;19(4):658-676. doi: 10.1093/pm/pnx002. PubMed PMID: 28340045.

Smith SM, **Dworkin RH**, Turk DC, Baron R, Polydefkis M, Tracey I, Borsook D, Edwards RR, Harris RE, Wager TD, Arendt-Nielsen L, Burke LB, Carr DB, Chappell A, Farrar JT, Freeman R, Gilron I, Goli V, Haeussler J, Jensen T, Katz NP, Kent J, Kopecky EA, Lee DA, Maixner W, Markman JD, McArthur JC, McDermott MP, Parvathani L, Raja SN, Rappaport BA, Rice ASC, Rowbotham MC, Tobias JK, Wasan AD, Witter J. *The Potential Role of Sensory Testing, Skin Biopsy, and Functional Brain Imaging as Biomarkers in Chronic Pain Clinical Trials*: IMMEDIATE

Considerations. *J Pain*. 2017 Jul;18(7):757-777. doi: 10.1016/j.jpain.2017.02.429. Epub 2017 Feb 27. Review. PubMed PMID: 28254585; PubMed Central PMCID: PMC5484729.

Colloca L, Ludman T, Bouhassira D, Baron R, Dickenson AH, Yarnitsky D, Freeman R, Truini A, Attal N, Finnerup NB, Eccleston C, Kalso E, Bennett DL, **Dworkin RH**, Raja SN. *Neuropathic pain*. *Nat Rev Dis Primers*. 2017 Feb 16;3:17002. doi: 10.1038/nrdp.2017.2. Review. PubMed PMID: 28205574; PubMed Central PMCID: PMC5371025.

Gewandter JS, Kitt RA, Hunsinger MR, Poku J, Lozano J, Chaudari J, Evans S, Gross RA, McDermott MP, Rowbotham MC, Turk DC, **Dworkin RH**. *Reporting of data monitoring boards in publications of randomized clinical trials is often deficient*: ACTION systematic review. *J Clin Epidemiol*. 2017 Mar;83:101-107. doi: 10.1016/j.jclinepi.2016.12.018. Epub 2017 Jan 23. Review. PubMed PMID: 28126598; PubMed Central PMCID: PMC5780643.

**Dworkin RH**, Edwards RR. *Phenotypes and treatment response: it's difficult to make predictions, especially about the future*. *Pain*. 2017 Feb;158(2):187-189. doi: 10.1097/j.pain.0000000000000771. PubMed PMID: 28092645.

Rothstein D, Kitt RA, Smith SM, Abdi S, Engle MP, McDermott MP, Raja SN, Turk DC, **Dworkin RH**, Gewandter JS. *Reporting of Design Features and Analysis Details in Randomized Clinical Trials of Procedural Treatments for Cancer Pain: An ACTION Systematic Review*. *Reg Anesth Pain Med*. 2017 May/Jun;42(3):392-399. doi: 10.1097/AAP.0000000000000553. Review. PubMed PMID: 28085789.

Williams MR, Ward DS, Carlson D, Cravero J, Dexter F, Lightdale JR, Mason KP, Miner J, Vargo JJ, Berkenbosch JW, Clark RM, Constant I, Dionne R, **Dworkin RH**, Gozal D, Grayzel D, Irwin MG, Lerman J, O'Connor RE, Pandharipande P, Rappaport BA, Riker RR, Tobin JR, Turk DC, Twersky RS, Sessler DI. *Evaluating Patient-Centered Outcomes in Clinical Trials of Procedural Sedation, Part 1 Efficacy: Sedation Consortium on Endpoints and Procedures for Treatment, Education, and Research Recommendations*. *Anesth Analg*. 2017 Mar;124(3):821-830. doi: 10.1213/ANE.0000000000001566. PubMed PMID: 27622720.

Gewandter JS, Burke L, Cavaletti G, **Dworkin RH**, Gibbons C, Gover TD, Herrmann DN, McArthur JC, McDermott MP, Rappaport BA, Reeve BB, Russell JW, Smith AG, Smith SM, Turk DC, Vinik AI, Freeman R. *Content validity of symptom-based measures for diabetic, chemotherapy, and HIV peripheral neuropathy*. *Muscle Nerve*. 2017 Mar;55(3):366-372. doi: 10.1002/mus.25264. Epub 2016 Dec 23. Review. PubMed PMID: 27447116; PubMed Central PMCID: PMC5528159.

### **Eaton, Michael**

Blumberg N, Cholette JM, Pietropaoli AP, Phipps R, Spinelli SL, **Eaton MP**, Noronha SA, Seghatchian J, Heal JM, Refaai MA. 0.9% NaCl (Normal Saline) - Perhaps not so normal after all? Transfusion and apheresis science : official journal of the World Apheresis Association : official journal of the European Society for Haemapheresis. 2018;57(1):127-131.

Cholette JM, Pietropaoli AP, Henrichs KF, Alfieris GM, Powers KS, Gensini F, Rubenstein JS, Sweeney D, Phipps R, Spinelli SL, Refaai MA, **Eaton MP**, Blumberg N. Elevated free hemoglobin and decreased haptoglobin levels are associated with adverse clinical outcomes, unfavorable physiologic measures, and altered inflammatory markers in pediatric cardiac surgery patients. *Transfusion*. 2018;58(7):1631-1639.

Fox AA, **Eaton MP**, Shillcutt SK. Meeting Report for the 39th Annual Meeting and Workshops of the Society of Cardiovascular Anesthesiologists. *Anesthesia and analgesia*. 2017.

Conlin F, Connelly NR, **Eaton MP**, Broderick PJ, Friderici J, Adler AC. Perioperative Use of Focused Transthoracic Cardiac Ultrasound: A Survey of Current Practice and Opinion. *Anesth Analg*. 2017 Dec;125(6):1878-1882. doi: 10.1213/ANE.0000000000002089.

### **Gewandter, Jennifer**

Patel KV, Allen R, Burke L, Farrar JT, **Gewandter JS**, Gilron I, Katz NP, Markman JD, Marshall SF, Resnick M, Rice ASC, Rowbotham MC, Smith SM, Vanhove GF, Wasan AD, Zhang S, Dworkin RH, Turk DC. Evaluation of composite responder outcomes of pain intensity and physical function in neuropathic pain clinical trials: an ACTION individual patient data analysis. *Pain*. 2018 Jun 25. doi: 10.1097/j.pain.0000000000001324. [Epub ahead of print] PubMed PMID: 30001225.

Markman JD, Baron R, **Gewandter JS**. Why are there no drugs indicated for sciatica, the most common chronic neuropathic syndrome of all? *Drug Discov Today*. 2018 Jun 9. pii: S1359-6446(18)30074-6. doi: 10.1016/j.drudis.2018.06.004. [Epub ahead of print] Review. PubMed PMID: 29894812.

**Gewandter JS**, Chaudari J, Iwan KB, Kitt R, As-Sanie S, Bachmann G, Clemens Q, Lai HH, Tu F, Verne GN, Vincent K, Wesselmann U, Zhou Q, Turk DC, Dworkin RH, Smith SM. Research Design Characteristics of Published Pharmacologic Randomized Clinical Trials for Irritable Bowel Syndrome and Chronic Pelvic Pain Conditions: An ACTION Systematic Review. *J Pain*. 2018 Jul;19(7):717-726. doi: 10.1016/j.jpain.2018.01.007. Epub 2018 Feb 2. Review. PubMed PMID: 29412183; PubMed Central PMCID: PMC6026036.

Kleckner IR, Kamen C, **Gewandter JS**, Mohile NA, Heckler CE, Culakova E, Fung C, Janelsins MC, Asare M, Lin PJ, Reddy PS, Giguere J, Berenberg J, Kesler SR, Mustian KM. Effects of exercise during chemotherapy on chemotherapy-induced peripheral neuropathy: a multicenter, randomized controlled trial. *Support Care*

*Cancer*. 2018 Apr;26(4):1019-1028. doi: 10.1007/s00520-017-4013-0. Epub 2017 Dec 14. PubMed PMID: 29243164; PubMed Central PMCID: PMC5823751.

Ryan Wolf J, Heckler CE, Guido JJ, Peoples AR, **Gewandter JS**, Ling M, Vinciguerra VP, Anderson T, Evans L, Wade J, Pentland AP, Morrow GR. *Oral curcumin for radiation dermatitis: a URCC NCORP study of 686 breast cancer patients*. Support Care Cancer. 2018 May;26(5):1543-1552. doi: 10.1007/s00520-017-3957-4. Epub 2017 Dec 1. PubMed PMID: 29192329; PubMed Central PMCID: PMC5876157.

**Gewandter JS**, Freeman R, Kitt RA, Cavaletti G, Gauthier LR, McDermott MP, Mohile NA, Mohlie SG, Smith AG, Tejani MA, Turk DC, Dworkin RH. *Chemotherapy-induced peripheral neuropathy clinical trials: Review and recommendations*. Neurology. 2017 Aug 22;89(8):859-869. doi: 10.1212/WNL.0000000000004272. Epub 2017 Jul 26. Review. PubMed PMID: 28747442.

**Gewandter JS**, McDermott MP, Kitt RA, Chaudari J, Koch JG, Evans SR, Gross RA, Markman JD, Turk DC, Dworkin RH. *Interpretation of CIs in clinical trials with non-significant results: systematic review and recommendations*. BMJ Open. 2017 Jul 18;7(7):e017288. doi: 10.1136/bmjopen-2017-017288. Review. PubMed PMID: 28720618; PubMed Central PMCID: PMC5726092.

Kent ML, Tighe PJ, Belfer I, Brennan TJ, Bruehl S, Brummett CM, Buckenmaier CC 3rd, Buvanendran A, Cohen RI, Desjardins P, Edwards D, Fillingim R, **Gewandter J**, Gordon DB, Hurley RW, Kehlet H, Loeser JD, Mackey S, McLean SA, Polomano R, Rahman S, Raja S, Rowbotham M, Suresh S, Schachtel B, Schreiber K, Schumacher M, Stacey B, Stanos S, Todd K, Turk DC, Weisman SJ, Wu C, Carr DB, Dworkin RH, Terman G. *The ACTION-APS-AAPM Pain Taxonomy (AAAPT) Multidimensional Approach to Classifying Acute Pain Conditions*. J Pain. 2017 May;18(5):479-489. doi: 10.1016/j.jpain.2017.02.421. PubMed PMID: 28495013.

Kent ML, Tighe PJ, Belfer I, Brennan TJ, Bruehl S, Brummett CM, Buckenmaier CC 3rd, Buvanendran A, Cohen RI, Desjardins P, Edwards D, Fillingim R, **Gewandter J**, Gordon DB, Hurley RW, Kehlet H, Loeser JD, Mackey S, McLean SA, Polomano R, Rahman S, Raja S, Rowbotham M, Suresh S, Schachtel B, Schreiber K, Schumacher M, Stacey B, Stanos S, Todd K, Turk DC, Weisman SJ, Wu C, Carr DB, Dworkin RH, Terman G. *The ACTION-APS-AAPM Pain Taxonomy (AAAPT) Multidimensional Approach to Classifying Acute Pain Conditions*. Pain Med. 2017 May 1;18(5):947-958. doi: 10.1093/pm/pnx019. PubMed PMID: 28482098; PubMed Central PMCID: PMC5431381.

**Gewandter JS**, Kitt RA, Hunsinger MR, Poku J, Lozano J, Chaudari J, Evans S, Gross RA, McDermott MP, Rowbotham MC, Turk DC, Dworkin RH. *Reporting of data monitoring boards in publications of randomized clinical trials is often deficient*: ACTION systematic review. J Clin Epidemiol. 2017 Mar;83:101-107. doi: 10.1016/j.jclinepi.2016.12.018. Epub 2017 Jan 23. Review. PubMed PMID: 28126598;

PubMed Central PMCID: PMC5780643.

Rothstein D, Kitt RA, Smith SM, Abdi S, Engle MP, McDermott MP, Raja SN, Turk DC, Dworkin RH, **Gewandter JS**. Reporting of Design Features and Analysis Details in Randomized Clinical Trials of Procedural Treatments for Cancer Pain: An ACTION Systematic Review. Reg Anesth Pain Med. 2017 May/Jun;42(3):392-399. doi: 10.1097/AAP.0000000000000553. Review. PubMed PMID: 28085789.

**Gewandter JS**, Burke L, Cavaletti G, Dworkin RH, Gibbons C, Gover TD, Herrmann DN, McArthur JC, McDermott MP, Rappaport BA, Reeve BB, Russell JW, Smith AG, Smith SM, Turk DC, Vinik AI, Freeman R. Content validity of symptom-based measures for diabetic, chemotherapy, and HIV peripheral neuropathy. Muscle Nerve. 2017 Mar;55(3):366-372. doi: 10.1002/mus.25264. Epub 2016 Dec 23. Review. PubMed PMID: 27447116; PubMed Central PMCID: PMC5528159.

### **Glance, Laurent**

Cook A, Osler T, **Glance L**, Lecky F, Bouamra O, Weddle J, Gross B, Ward J, Moore FO, 3rd, Rogers F, Hosmer D. Comparison of two prognostic models in trauma outcome. *The British journal of surgery*. 2018;105(5):513-519.

**Glance LG**, Dick AW, Osler TM. Risk Prediction Tools: The Need for Greater Transparency. *Anesthesiology*. 2018;128(2):244-246.

**Glance LG**, Dutton RP, Feng C, Li Y, Lustik SJ, Dick AW. Variability in Case Durations for Common Surgical Procedures. *Anesthesia and analgesia*. 2018;126(6):2017-2024.

**Glance LG**, Holloway RG. Raising the Alarm on Brain Attacks in Surgical Patients: Are We Doing Enough to Prevent and Treat Postoperative Strokes? *Anesthesiology*. 2017;127(1):3-5.

**Glance LG**, Wanderer JP, Dick AW, Dutton RP. Building Bridges Across Clinical Registries. *Anesthesia and analgesia*. 2017;125(2):689-691.

Li Y, Cen X, Cai X, Thirukumaran CP, Zhou J, **Glance LG**. Medicare Advantage Associated With More Racial Disparity Than Traditional Medicare For Hospital Readmissions. *Health affairs (Project Hope)*. 2017;36(7):1328-1335.

Li Y, Cen X, Cai X, Wang D, Thirukumaran CP, **Glance LG**. Does Medicare Advantage Reduce Racial Disparity in 30-Day Rehospitalization for Medicare Beneficiaries? *Medical care research and review : MCRR*. 2018;75(2):175-200.

### **Johnson, Gail**

Monteagudo A, Feola J, Natola H, Ji C, Pröschel C, **Johnson GW**. Depletion of astrocytic transglutaminase 2 improves injury outcomes. *Mol Cell Neurosci*. 2018 Jun 30;92:128-136. doi: 10.1016/j.mcn.2018.06.007. [Epub ahead of print] PubMed



PMID: 29969654.

Quinn BR, Yunes-Medina L, **Johnson GVW**. *Transglutaminase 2: Friend or foe? The discordant role in neurons and astrocytes.* J Neurosci Res. 2018 Jul;96(7):1150-1158. doi: 10.1002/jnr.24239. Epub 2018 Mar 23. Review. PubMed PMID: 29570839; PubMed Central PMCID: PMC5980740.

Tang M, Ji C, Pallo S, Rahman I, **Johnson GVW**. *Nrf2 mediates the expression of BAG3 and autophagy cargo adaptor proteins and tau clearance in an age-dependent manner.* Neurobiol Aging. 2018 Mar;63:128-139. doi: 10.1016/j.neurobiolaging.2017.12.001. Epub 2017 Dec 9. PubMed PMID: 29304346; PubMed Central PMCID: PMC5801049.

Yunes-Medina L, Paciorkowski A, Nuzbrokh Y, **Johnson GVW**. *Depletion of transglutaminase 2 in neurons alters expression of extracellular matrix and signal transduction genes and compromises cell viability.* Mol Cell Neurosci. 2018 Jan;86:72-80. doi: 10.1016/j.mcn.2017.11.011. Epub 2017 Nov 29. PubMed PMID: 29197584; PubMed Central PMCID: PMC5736014.

Yunes-Medina L, Feola J, **Johnson GVW**. *Subcellular localization patterns of transglutaminase 2 in astrocytes and neurons are differentially altered by hypoxia.* Neuroreport. 2017 Dec 13;28(18):1208-1214. doi: 10.1097/WNR.0000000000000895. PubMed PMID: 28957946; PubMed Central PMCID: PMC5685886.

Ji C, Tang M, **Johnson GVW**. *Assessing the degradation of tau in primary neurons: The role of autophagy.* Methods Cell Biol. 2017;141:229-244. doi: 10.1016/bs.mcb.2017.06.011. Epub 2017 Jul 31. PubMed PMID: 28882304.

Feola J, Barton A, Akbar A, Keillor J, **Johnson GVW**. *Transglutaminase 2 modulation of NF- $\kappa$ B signaling in astrocytes is independent of its ability to mediate astrocytic viability in ischemic injury.* Brain Res. 2017 Aug 1;1668:1-11. doi: 10.1016/j.brainres.2017.05.009. Epub 2017 May 15. PubMed PMID: 28522262; PubMed Central PMCID: PMC5525061.

Monteagudo A, Ji C, Akbar A, Keillor JW, **Johnson GVW**. *Inhibition or ablation of transglutaminase 2 impairs astrocyte migration.* Biochem Biophys Res Commun. 2017 Jan 22;482(4):942-947. doi: 10.1016/j.bbrc.2016.11.137. Epub 2016 Nov 27. PubMed PMID: 27899316; PubMed Central PMCID: PMC5237609.

Gundemir S, Monteagudo A, Akbar A, Keillor JW, **Johnson GVW**. *The complex role of transglutaminase 2 in glioblastoma proliferation.* Neuro Oncol. 2017 Feb 1;19(2):208-218. doi: 10.1093/neuonc/now157. PubMed PMID: 27591334; PubMed Central PMCID: PMC5464277.

### **Karan, Suzanne**

Ward DS, Williams MR, Berkenbosch JW, Bhatt M, Carlson D, Chappell P, Clark RM, Constant I, Conway A, Cravero J, Dahan A, Dexter F, Dionne R, Dworkin RH, Gan TJ, Gozal D, Green S, Irwin MG, **Karan S**, Kochman M, Lerman J, Lightdale JR, Litman RS, Mason KP, Miner J, O'Connor RE, Pandharipande P, Riker RR, Roback MG, Sessler DI, Sexton A, Tobin JR, Turk DC, Twersky RS, Urman RD, Weiss M, Wunsch H, Zhao-Wong A. *Evaluating Patient-Centered Outcomes in Clinical Trials of Procedural Sedation, Part 2 Safety: Sedation Consortium on Endpoints and Procedures for Treatment, Education, and Research Recommendations*. *Anesth Analg*. 2018 May 17. doi: 10.1213/ANE.0000000000003409. [Epub ahead of print] PubMed PMID: 29782404.

Saran JS, Kreso M, Khurana S, Nead M, Larj M, **Karan S**. *Anesthetic Considerations for Patients Undergoing Bronchial Thermoplasty*. *Anesthesia and analgesia*. 2018;126(5):1575-1579.

Mitchell JD, Ku C, Diachun CAB, DiLorenzo A, Lee DE, **Karan S**, Wong V, Schell RM, Brzezinski M, Jones SB. *Enhancing Feedback on Professionalism and Communication Skills in Anesthesia Residency Programs*. *Anesthesia and analgesia*. 2017;125(2):620-631.

### **Kent, Joel**

Smith SM, Dworkin RH, Turk DC, Baron R, Polydefkis M, Tracey I, Borsook D, Edwards RR, Harris RE, Wager TD, Arendt-Nielsen L, Burke LB, Carr DB, Chappell A, Farrar JT, Freeman R, Gilron I, Goli V, Haeussler J, Jensen T, Katz NP, **Kent J**, Kopecky EA, Lee DA, Maixner W, Markman JD, McArthur JC, McDermott MP, Parvathenani L, Raja SN, Rappaport BA, Rice ASC, Rowbotham MC, Tobias JK, Wasan AD, Witter J. *The Potential Role of Sensory Testing, Skin Biopsy, and Functional Brain Imaging as Biomarkers in Chronic Pain Clinical Trials: IMMPACT Considerations*. *J Pain*. 2017 Jul;18(7):757-777. doi: 10.1016/j.jpain.2017.02.429. Epub 2017 Feb 27. Review. PubMed PMID: 28254585; PubMed Central PMCID: PMC5484729.

### **Kreso, Melissa**

Saran JS, **Kreso M**, Khurana S, Nead M, Larj M, Karan S. *Anesthetic Considerations for Patients Undergoing Bronchial Thermoplasty*. *Anesthesia and analgesia*. 2018;126(5):1575-1579.

### **Lebow, Brandon**

Johnson CA, Jr., Melvin AL, **Lebow BF**, Yap A, Knight PA. *Video assisted right mini-thoracotomy for aortic valve replacement*. *Journal of visualized surgery*. 2018;4:39.

Johnson CA, Jr., Wood KL, Melvin AL, **Lebow BF**, Knight PA. *Video assisted right mini-thoracotomy for aortic root replacement*. *Journal of visualized surgery*. 2018;4:38.

### **Nadler, JW**

Berger M, Ponnusamy V, Greene N, Cooter M, **Nadler JW**, Friedman A, McDonagh DL, Laskowitz DT, Newman MF, Shaw LM, Warner DS, Mathew JP, James ML. The Effect of Propofol vs. Isoflurane Anesthesia on Postoperative Changes in Cerebrospinal Fluid Cytokine Levels: Results from a Randomized Trial. *Frontiers in immunology*. 2017;8:1528.

Evans JL, **Nadler JW**, Preud'homme XA, Fang E, Daughtry RL, Chapman JB, Attarian D, Wellman S, Krystal AD. Pilot prospective study of post-surgery sleep and EEG predictors of post-operative delirium. *Clinical neurophysiology : official journal of the International Federation of Clinical Neurophysiology*. 2017;128(8):1421-1425.

### **Nadtochiy, Sergiy**

**Nadtochiy SM**, Wang YT, Nehrke K, Munger J, Brookes PS. Cardioprotection by nicotinamide mononucleotide (NMN): Involvement of glycolysis and acidic pH. *J Mol Cell Cardiol*. 2018 Aug;121:155-162. doi: 10.1016/j.yjmcc.2018.06.007. Epub 2018 Jun 26. PubMed PMID: 29958828; PubMed Central PMCID: PMC6103815.

Smith CO, Wang YT, **Nadtochiy SM**, Miller JH, Jonas EA, Dirksen RT, Nehrke K, Brookes PS. Cardiac metabolic effects of K(Na)1.2 channel deletion and evidence for its mitochondrial localization. *FASEB J*. 2018 Jun 4:fj201800139R. doi: 10.1096/fj.201800139R. [Epub ahead of print] PubMed PMID: 29863912.

Peoples JNR, Maxmillian T, Le Q, **Nadtochiy SM**, Brookes PS, Porter GA Jr, Davidson VL, Ebert SN. Metabolomics reveals critical adrenergic regulatory checkpoints in glycolysis and pentose-phosphate pathways in embryonic heart. *J Biol Chem*. 2018 May 4;293(18):6925-6941. doi: 10.1074/jbc.RA118.002566. Epub 2018 Mar 14. PubMed PMID: 29540484; PubMed Central PMCID: PMC5936816.

**Nadtochiy SM**, Wang YT, Zhang J, Nehrke K, Schafer X, Welle K, Ghaemmaghani S, Munger J, Brookes PS. Potential mechanisms linking SIRT activity and hypoxic 2-hydroxyglutarate generation: no role for direct enzyme (de)acetylation. *Biochem J*. 2017 Aug 10;474(16):2829-2839. doi: 10.1042/BCJ20170389. PubMed PMID: 28673962; PubMed Central PMCID: PMC5562404.

### **Papadakos, Peter**

Schreiber A, Yildirim F, Ferrari G, Antonelli A, Delis PB, Gunduz M, Karcz M, **Papadakos P**, Cosentini R, Dikmen Y, Esquinas AM. Non-Invasive Mechanical Ventilation in Critically Ill Trauma Patients: A Systematic Review. *Turkish journal of anaesthesiology and reanimation*. 2018;46(2):88-95.

### **Pyne, Sonia**

Childs S, **Pyne S**, Nandra K, Bakhsh W, Mustafa SA, Giordano BD. The Effect of Intra-articular Cocktail Versus Femoral Nerve Block for Patients Undergoing Hip Arthroscopy. *Arthroscopy : the journal of arthroscopic & related surgery : official publication of the Arthroscopy Association of North America and the International Arthroscopy Association*. 2017;33(12):2170-2176.

### **Smith, Daryl**

Tran N, Morris G, **Smith DI**. Hospitals Marketing Opioid-Sparing Analgesia to Patients Is in Patients' Best Interests. *Regional anesthesia and pain medicine*. 2018;43(4):449-450.

**Smith, DI**, Pyatigorskya, S., Tran, N. Delay in Diagnosis of Vertebrobasilar Insufficiency, the Masking Effect of Headache and Coexisting Pain Syndromes: A Case Report (2017) *J Anesth Perioper Med* 4(5): 231- 236 .doi:10.24015/JAPM.2017.0019

Tran, NH, Smith, DI. Anesthetic consideration for patients with nemaline rod myopathy: a literature review (2017) *Pediatric Anesthesia and Critical Care Journal*;5(1):31-39 doi:10.14587/paccj.2017.5

### **Smith, Shannon**

Patel KV, Allen R, Burke L, Farrar JT, Gewandter JS, Gilron I, Katz NP, Markman JD, Marshall SF, Resnick M, Rice ASC, Rowbotham MC, **Smith SM**, Vanhove GF, Wasan AD, Zhang S, Dworkin RH, Turk DC. Evaluation of composite responder outcomes of pain intensity and physical function in neuropathic pain clinical trials: an ACTION individual patient data analysis. *Pain*. 2018 Jun 25. doi: 10.1097/j.pain.0000000000001324. [Epub ahead of print] PubMed PMID: 30001225.

**Smith SM**, Jensen MP, He H, Kitt R, Koch J, Pan A, Burke LB, Farrar JT, McDermott MP, Turk DC, Dworkin RH. A Comparison of the Assay Sensitivity of Average and Worst Pain Intensity in Pharmacologic Trials: An ACTION Systematic Review and Meta-Analysis. *J Pain*. 2018 Sep;19(9):953-960. doi: 10.1016/j.jpain.2018.02.016. Epub 2018 Mar 26. Review. PubMed PMID: 29597081.

Gewandter JS, Chaudari J, Iwan KB, Kitt R, As-Sanie S, Bachmann G, Clemens Q, Lai HH, Tu F, Verne GN, Vincent K, Wesselmann U, Zhou Q, Turk DC, Dworkin RH, **Smith SM**. Research Design Characteristics of Published Pharmacologic Randomized Clinical Trials for Irritable Bowel Syndrome and Chronic Pelvic Pain Conditions: An ACTION Systematic Review. *J Pain*. 2018 Jul;19(7):717-726. doi: 10.1016/j.jpain.2018.01.007. Epub 2018 Feb 2. Review. PubMed PMID: 29412183; PubMed Central PMCID: PMC6026036.

**Smith SM**, Jones JK, Katz NP, Roland CL, Setnik B, Trudeau JJ, Wright S, Burke LB, Comer SD, Dart RC, Dionne R, Haddox JD, Jaffe JH, Kopecky EA, Martell BA, Montoya ID, Stanton M, Wasan AD, Turk DC, Dworkin RH. Measures That Identify Prescription Medication Misuse, Abuse, and Related Events in Clinical Trials: ACTION Critique and Recommended Considerations. *J Pain*. 2017 Nov;18(11):1287-1294. doi: 10.1016/j.jpain.2017.03.015. Epub 2017 May 4. PubMed PMID: 28479207; PubMed Central PMCID: PMC5660635.

**Smith SM**, Dworkin RH, Turk DC, Baron R, Polydefkis M, Tracey I, Borsook D,

Edwards RR, Harris RE, Wager TD, Arendt-Nielsen L, Burke LB, Carr DB, Chappell A, Farrar JT, Freeman R, Gilron I, Goli V, Haeussler J, Jensen T, Katz NP, Kent J, Kopecky EA, Lee DA, Maixner W, Markman JD, McArthur JC, McDermott MP, Parvathenani L, Raja SN, Rappaport BA, Rice ASC, Rowbotham MC, Tobias JK, Wasan AD, Witter J. *The Potential Role of Sensory Testing, Skin Biopsy, and Functional Brain Imaging as Biomarkers in Chronic Pain Clinical Trials: IMMPACT Considerations*. J Pain. 2017 Jul;18(7):757-777. doi: 10.1016/j.jpain.2017.02.429. Epub 2017 Feb 27. Review. PubMed PMID: 28254585; PubMed Central PMCID: PMC5484729.

Rothstein D, Kitt RA, **Smith SM**, Abdi S, Engle MP, McDermott MP, Raja SN, Turk DC, Dworkin RH, Gewandter JS. *Reporting of Design Features and Analysis Details in Randomized Clinical Trials of Procedural Treatments for Cancer Pain: An ACTION Systematic Review*. Reg Anesth Pain Med. 2017 May/Jun;42(3):392-399. doi: 10.1097/AAP.0000000000000553. Review. PubMed PMID: 28085789.

Gewandter JS, Burke L, Cavaletti G, Dworkin RH, Gibbons C, Gover TD, Herrmann DN, McArthur JC, McDermott MP, Rappaport BA, Reeve BB, Russell JW, Smith AG, **Smith SM**, Turk DC, Vinik AI, Freeman R. *Content validity of symptom-based measures for diabetic, chemotherapy, and HIV peripheral neuropathy*. Muscle Nerve. 2017 Mar;55(3):366-372. doi: 10.1002/mus.25264. Epub 2016 Dec 23. Review. PubMed PMID: 27447116; PubMed Central PMCID: PMC5528159.

### **Sweeney, Dawn**

Cholette JM, Pietropaoli AP, Henrichs KF, Alfieris GM, Powers KS, Gensini F, Rubenstein JS, **Sweeney D**, Phipps R, Spinelli SL, Refaai MA, Eaton MP, Blumberg N. *Elevated free hemoglobin and decreased haptoglobin levels are associated with adverse clinical outcomes, unfavorable physiologic measures, and altered inflammatory markers in pediatric cardiac surgery patients*. Transfusion. 2018;58(7):1631-1639.

### **Tzimas, Konstantine**

Saran JS, Moalem J, Schoeniger L, **Tzimas K**. *Perioperative Management of Pheochromocytoma Resection in a Patient With Severe Aortic Stenosis*. Journal of cardiothoracic and vascular anesthesia. 2017.

### **Ward, Denham**

**Ward DS**, Williams MR, Berkenbosch JW, Bhatt M, Carlson D, Chappell P, Clark RM, Constant I, Conway A, Cravero J, Dahan A, Dexter F, Dionne R, Dworkin RH, Gan TJ, Gozal D, Green S, Irwin MG, Karan S, Kochman M, Lerman J, Lightdale JR, Litman RS, Mason KP, Miner J, O'Connor RE, Pandharipande P, Riker RR, Roback MG, Sessler DI, Sexton A, Tobin JR, Turk DC, Twersky RS, Urman RD, Weiss M, Wunsch H, Zhao-Wong A. *Evaluating Patient-Centered Outcomes in Clinical Trials of Procedural Sedation, Part 2 Safety: Sedation Consortium on Endpoints and Procedures for Treatment, Education, and Research Recommendations*. Anesth Analg.

2018 May 17. doi: 10.1213/ANE.0000000000003409. [Epub ahead of print] PubMed PMID: 29782404.

Williams MR, Nayshtut M, Hoefnagel A, McKeown A, Carlson DW, Cravero J, Lightdale J, Mason KP, Wilson S, Turk DC, Dworkin RH, **Ward DS**. *Efficacy Outcome Measures for Pediatric Procedural Sedation Clinical Trials: An ACTION Systematic Review*. *Anesth Analg*. 2018 Mar;126(3):956-967. doi: 10.1213/ANE.0000000000002456. PubMed PMID: 28922236.

**Ward DS**, Williams MR, Turk DC, Dworkin RH, Sessler DI, Dexter F; SCEPTER Authors. *Recommendations for Procedural Sedation Clinical Trials*. *Anesth Analg*. 2017 Aug;125(2):703-704. doi: 10.1213/ANE.0000000000002225. PubMed PMID: 28737521.

Williams MR, **Ward DS**, Carlson D, Cravero J, Dexter F, Lightdale JR, Mason KP, Miner J, Vargo JJ, Berkenbosch JW, Clark RM, Constant I, Dionne R, Dworkin RH, Gozal D, Grayzel D, Irwin MG, Lerman J, O'Connor RE, Pandharipande P, Rappaport BA, Riker RR, Tobin JR, Turk DC, Twersky RS, Sessler DI. *Evaluating Patient-Centered Outcomes in Clinical Trials of Procedural Sedation, Part 1 Efficacy: Sedation Consortium on Endpoints and Procedures for Treatment, Education, and Research Recommendations*. *Anesth Analg*. 2017 Mar;124(3):821-830. doi: 10.1213/ANE.0000000000001566. PubMed PMID: 27622720.

**Ward DS**, Zollo R. *Knowing when to slow down*. *Anaesthesia*. 2017;72(7):923-924.

### **Williams, Mark**

**Williams MR**, Nayshtut M, Hoefnagel A, McKeown A, Carlson DW, Cravero J, Lightdale J, Mason KP, Wilson S, Turk DC, Dworkin RH, **Ward DS**. *Efficacy Outcome Measures for Pediatric Procedural Sedation Clinical Trials: An ACTION Systematic Review*. *Anesth Analg*. 2018 Mar;126(3):956-967. doi: 10.1213/ANE.0000000000002456. PubMed PMID: 28922236.

**Ward DS**, **Williams MR**, Turk DC, Dworkin RH, Sessler DI, Dexter F; SCEPTER Authors. *Recommendations for Procedural Sedation Clinical Trials*. *Anesth Analg*. 2017 Aug;125(2):703-704. doi: 10.1213/ANE.0000000000002225. PubMed PMID: 28737521.

**Williams MR**, **Ward DS**, Carlson D, Cravero J, Dexter F, Lightdale JR, Mason KP, Miner J, Vargo JJ, Berkenbosch JW, Clark RM, Constant I, Dionne R, Dworkin RH, Gozal D, Grayzel D, Irwin MG, Lerman J, O'Connor RE, Pandharipande P, Rappaport BA, Riker RR, Tobin JR, Turk DC, Twersky RS, Sessler DI. *Evaluating Patient-Centered Outcomes in Clinical Trials of Procedural Sedation, Part 1 Efficacy: Sedation Consortium on Endpoints and Procedures for Treatment, Education, and Research Recommendations*. *Anesth Analg*. 2017 Mar;124(3):821-830.

doi: 10.1213/ANE.0000000000001566. PubMed PMID: 27622720.

### **Wojtczak, Jacek**

Andruszkiewicz P, Sobczyk D, Nycz K, Gorkiewicz-Kot I, Zietkiewicz M, Wierzbicki K, **Wojtczak J**, Kowalik I. A comparison of the ultrasound measurement of the inferior vena cava obtained with cardiac and convex transducers. *Journal of ultrasonography.* 2017;17(71):241-245.

Corso RM, Lee S, **Wojtczak J**, Cattano D. Extraglottic airway devices and ultrasound airway evaluation: are we on the right track? *Minerva anesthesiologica.* 2017;83(10):1110-1111.

Lee SM, **Wojtczak JA**, Cattano D. Ultrasound comparison of external and internal neck anatomy with the LMA Unique. *Journal of ultrasonography.* 2017;17(71):229-234.

### **Wojtovich, Andrew**

Berry BJ, Trewin AJ, Amitrano AM, Kim M, **Wojtovich AP.** Use the Protonmotive Force: Mitochondrial Uncoupling and Reactive Oxygen Species. *J Mol Biol.* 2018 Apr 4. pii: S0022-2836(18)30176-1. doi: 10.1016/j.jmb.2018.03.025. [Epub ahead of print] Review. PubMed PMID: 29626541.

Trewin AJ, Berry BJ, Wei AY, Bahr LL, Foster TH, **Wojtovich AP.** Light-induced oxidant production by fluorescent proteins. *Free Radic Biol Med.* 2018 Feb 6. pii: S0891-5849(18)30045-5. doi: 10.1016/j.freeradbiomed.2018.02.002. [Epub ahead of print] Review. PubMed PMID: 29425690; PubMed Central PMCID: PMC6078816.

Barnett ME, Baran TM, Foster TH, **Wojtovich AP.** Quantification of light-induced miniSOG superoxide production using the selective marker, 2-hydroxyethidium. *Free Radic Biol Med.* 2018 Feb 20;116:134-140. doi: 10.1016/j.freeradbiomed.2018.01.014. Epub 2018 Jan 31. PubMed PMID: 29353158; PubMed Central PMCID: PMC5815924.

Trewin AJ, Berry BJ, **Wojtovich AP.** Exercise and Mitochondrial Dynamics: Keeping in Shape with ROS and AMPK. *Antioxidants (Basel).* 2018 Jan 6;7(1). pii: E7. doi: 10.3390/antiox7010007. Review. PubMed PMID: 29316654; PubMed Central PMCID: PMC5789317.

### **Zollo, Raymond**

Ward DS, **Zollo R.** Knowing when to slow down. *Anaesthesia.* 2017;72(7):923-924.