

Publications, 2025:

January-June

Dao AN, Komesu YM, Jansen SM, Petersen TR, Meriwether KV. Augmentation of interstitial cystitis bladder pain syndrome treatment with meditation and yoga: a randomized trial. *Obstetrics & Gynecology* 2025 Feb; 145:186-95. DOI: 10.1097/AOG.0000000000005820. PMID: 39746210.

de la Peña JB, García G, Campbell ZT. Ribosome profiling reveals that post-transcriptional control of *Nalf1* by heterogeneous nuclear ribonucleoprotein L is required for paclitaxel-induced neuropathic pain. Online ahead of print, *Pain*. DOI: 10.1097/j.pain.0000000000003577.

Ehsanian R, Ellis D, Dennison L, Buttner JA, Schneider B, Stephens BF, Kennedy DJ, Yang A. Epidural tissue reaction post interlaminar particulate steroid injection: A case series and systematic review. Online ahead of print, *PM&R*. DOI: 10.1002/pmrj.13415

Fogarty AE, Buttner JA, Duszynski B, McKenna MJ, Miller DC, Gonzalez-Cota A, Avila A, Vaynbert E, Sheth S, Conger A, Doan LV, Ehsanian R. The effectiveness of fluoroscopically guided lumbar facet joint steroid injections: a systematic review. *Interventional Pain Medicine* 2025 May; 100587. DOI: 10.1016/j.inpm.2025.100587. PMID: 40469068.

Gerlach RM, Sweitzer B. Special considerations related to race, sex, gender, and socioeconomic status in the preoperative evaluation: Part 2: Sex considerations and homeless patients. *Anesthesiology Clinics* 2025 Mar; 43(1):19-35.

Katzman JG, Warrick BJ, Takeda M, Bhatt S, Grandhe RP, Jacobsohn V, Tomedi LE. Substance use and chronic pain management: understanding the learning needs of primary care clinicians through Project ECHO. *Healthcare* 2025 Apr; 13(8): 873. DOI: 10.3390/healthcare13080873. PMID: 40281822.

Knottenbelt S, Ballejos MP, Torrez D, Santos R, Hartley RS, Cartwright K, Fortner S, Sapién RE, Romero-Leggott V. Evolution of a Combined Baccalaureate/Medical Degree Program as a pipeline to Primary Care: Retention Strategies and Lessons Learned. *Family Practice* 2025 Apr, 42(2):cmae066. DOI: 10.1093/fampra/cmae066. PMID: 39566029.

Krashin JW, Rivera-Montalvo M, Leeman L, Trujillo VY, Petersen TR, Sanchez D, Bender E, Carroll S, Bulleit E, Alcantara J, Turok DK, Black P, Espey E. Breastfeeding after immediate versus delayed postpartum contraceptive implant placement: a non-inferiority randomized controlled trial. Online ahead of print, *American Journal of Obstetrics & Gynecology*. DOI: 10.1016/j.ajog.2025.03.019.

Kunamneni A, Westlund KN. Humanized scFv molecule specific to an extracellular epitope of P2X4R as therapy for chronic pain management. *Cells* 2025 Jun; 14(13):953. DOI: 10.3390/cells14130953.

Majure D, Shilling M, Puracan J, Koshkin E, Ehsanian R. Postamputation pain treatment by radiofrequency ablation of common peroneal nerve. *Interventional Pain Medicine* 2025 Jun; 100600. DOI: 10.1016/j.inpm.2025.100600.

Meriwether K, Ablove T, Florian-Rodriguez M, Chang OH, Propst K, Mazloomdoost D, Turk J, Grimes C, Crisp C, Orejuela F, Krashin J, Beckham J, Kim-Fine S, Winkleman W, Horvath S, Ollendorff AT, Dale LE, Ros ST, Petersen TR, Iglesia C. Obstetrics and Gynecology trainee insights regarding the effect of the Dobbs Supreme Court decision. *Journal of Women's Health* 2025 Jun; 34(6):823-34. DOI: 10.1089/jwh.2024.0095. PMID: 40499057.

Panisch LS, Jansen SM, Abudushalamu F, Petersen TR, Meriwether KV. Patient perspectives on the psychosocial impact of chronic pelvic pain and implications for integrated behavioral care approaches. Online ahead of print, *Journal of Behavioral Health Services & Research*. DOI: 10.1007/s11414-024-09926-y. PMID: 39789400.

Schneider B, Buttner JA, Rivers WE, Nagpal A, Patel J, Zheng P, McCormick ZL, Kennedy DJ, Ehsanian R. Discrepancies of calculated percentage pain reduction versus patient reported percentage perceived reduction in pain intensity after axial spine medial branch block. Online ahead of print, *Pain Medicine*. DOI: 10.1093/pnaf/046. PMID: 40221849.

Shilling M, Faber L, Doan H, Peckham M, Petersen TR, Ehsanian R, Alba F. Emergency room management of urolithiasis: a sex-based comparison. *Canadian Journal of Urology* 2025 May; 32(2):81-8. DOI: 10.32604/cju.2025.063415.

Publications, 2024:

Baban S, Kasoff M, Kadesh A, Chaudhary R, Lui A, Shi J, Ahluwalia J, White M, Giles D, Petersen TR, Andiman S, Grimes CL. The variation of chargemaster price listings for urogynecologic procedures. *Urogynecology* 2024 May; 30:511-8. DOI: 10.1097/SPV.0000000000001426. PMID: 38113134

Chembrovich S, Smith C, Le-Wendling L, Zasimovich Y, Ihnatsenka B, Petersen TR, Gunnett A. Incidence of acute compartment syndrome with routine use of regional anesthesia for patients with long bone fractures: A large single-center retrospective review from a level I trauma tertiary academic institution. *Regional Anesthesia & Pain Medicine* 2024 Jul; 49:505-10. DOI: 10.1136/rapm-2023-104460. PMID: 37696649.

Collins S, Baker EB. Resident recruitment in a new era. *International Anesthesiology Clinics* 2024 Jul; 62(3):35-46. DOI: 10.1097/AIA.0000000000000447. PMID: 38855840.

Ehsanian R, Buttner JA, Rivers WE, Nagpal A, Patel J, Zheng P, McCormick Z, Schneider B. Normality analysis of numeric pain rating scores in patients with chronic axial spine pain before and after medial branch blocks: a multicenter study. *Pain Medicine* 2024 Oct; 25:591-9. DOI: 10.1093/pn/pnae041. PMID: 38775642. Co-first authors

Ehsanian R, Fernandez S, Cooper A, Cushman DM, Conger A, Burnham T, Fogarty AE, Aiyer R, Smolinski K, McCormick ZL. Genicular Nerve Radiofrequency Ablation Practice Patterns: A Survey Study of the International Pain and Spine Interventional Society. *Interventional Pain Medicine* 2024 Aug; 3:100432. DOI: 10.1016/j.inpm.2024.100432. PMID: 39502912.

Ehsanian R, To J, Mork D, Owens M, Gensler WF, Dutton R, Sloan JH. Improvement of the rapid response system at an acute rehabilitation hospital in New Mexico. *Future Science OA* 2024 May; 10: 1. DOI: 10.2144/fsoa-2023-0162. PMID: 38841184.

Ehsanian R, Wu V, Grandhe R, Valeriano M, Petersen TR, Rivers WE, Koshkin E. A single-center real-world review of 10 kHz high-frequency spinal cord stimulation outcomes for treatment of chronic pain. *Interventional Pain Medicine* 2024 Mar; 3:100402. DOI: 10.1016/j.inpm.2024.100402. PMID: 39239496.

Gerlach RM. Cirrhosis: Getting to the heart of the matter. *Journal of Cardiothoracic and Vascular Anesthesia* 2024 Sep; 38(9):2109-11. DOI: 10.1053/j.jvca.2023.09.030. PMID: 37880040.

Gerlach RM. Perioperative care of vulnerable populations. *Perioperative Care and Operating Room Management* 2024 Sep; 36:100346. DOI: 10.1016/j.pcorm.2023.100346.

Gerstein NS, Braude TA, Petersen TR, Goumas A, Fish AC, Panikkath PV. Use of transparent film dressing to facilitate mask ventilation in bearded patients. *Journal of Emergency Medicine* 2024 Feb; 66(2): 163-9. DOI: 10.1016/j.jemermed.2023.07.008. PMID: 38238230.

Gerstein NS, Garcia A, Carbol Q. Central venous catheter migration into pleura diagnosed by transesophageal echocardiography. *Seminars in Cardiothoracic and Vascular Anesthesia* 2024 Dec; 28(4):230-4. DOI: 10.1177/10892532241294186. PMID: 39429054.

Hendrix JM, Burghart A, Baker EB, Wolman RL, Kraus JF. Physician unionization: opportunities and challenges for anesthesiologists in the United States. *Anesthesia and Analgesia* 2024 Aug; 139:432-8. DOI: 10.1213/ANE.0000000000006852. PMID: 38091478.

Hinsen K, Huynh P, Shilling M, Luo H, Ehsanian R, Shin P. Contrast enhancing epidural fluid accumulation after percutaneous endoscopic lumbar discectomy: A case report of recurrent disc herniation within pseudocyst secondary to irrigation fluid. *Int J Surg Case Rep* 2024 Jul; 120:109884. DOI: 10.1016/j.ijscr.2024.109884. PMID: 38875830.

Hruschka JA, Huynh PM, Petersen TR, Stallard SA, Soneru CN. Lumbar erector spinae plane block for Dega pelvic osteotomy in a pediatric patient with complex neurological issues: a case report. *Cureus* 2024 Mar; 16(3): e57263. PMID: 38686248.

Hui SE, Westlund KN. Role of HDAC5 epigenetics in chronic craniofacial neuropathic pain. *International Journal of Molecular Sciences* 2024 Jun; 25(13):6889. DOI: 10.3390/ijms25136889. PMID: 38999998.

Kenter K, Bovid K, Baker EB, Carson E, Mercer D. AOA Critical Issues Symposium: Promoting Health Equity. *The Journal of Bone and Joint Surgery (American Volume)* 2024 Aug; 21: 106:1529-34. DOI: 10.2106/JBJS.23.01056. PMID: 38574165.

Lu A, Pian-Smith MCM, Burden A, Fernandez GL, Fortner SA, Rege RV, Slakey DP, Velasco JM, Cooper JB, Steadman RH. Call to Action: Quality and Simulation Professionals Should Collaborate. *Simulation in Healthcare* 2024 Oct; 19:319-25. DOI: 10.1097/SIH.0000000000000826. PMID: 39362653.

Meriwether K, Kim-Fine S, Ablove T, Ollendorff A, Dale LE, Krashin JW, Winkelman WD, Orejuela F, Mazloomdoost D, Grimes CL, Beckham AJ, Propst K, Florian-Rodriguez ME, Turk JK, Chang OH, Horvath S, Ros ST, Crisp CC, Petersen TR, Iglesia CB. Trainee perspectives regarding the effect of the Dobbs vs. Jackson Women's Health Organization Supreme Court decision on Obstetrics and Gynecology training. *Journal of Women's Health* 2024 Jul; 33:908-15. DOI: 10.1089/jwh.2023.0960. PMID: 38629505.

Mousavi SH, Lindsey JW, Westlund KN, Alles SRA. Trigeminal neuralgia as a primary demyelinating disease: Potential multimodal evidence and remaining controversies. *Journal of Pain* 2024 Feb; 25:302-11. DOI: 10.1016/j.jpain.2023.08.012. PMID: 37643657.

Petersen TR, Braithwaite EM, Torgeson EL. One-year outcomes of spinal versus general anesthesia: Comment. *Anesthesiology* 2024 Oct; 141:811. DOI: 10.1097/ALN.0000000000005089. PMID: 39159288.

Serna-Gallegos TR, Komesu YM, Dunivan GC, Meriwether KV, Ninivaggio CS, Petersen TR, Jeppson PC. Randomized trial on expectations and pain control advancement in surgery: the REPAIR study. *Urogynecology* 2024 Jan; 30:7-16. DOI: 10.1097/SPV.0000000000001387. PMID: 37428883.

Soneru CN, Reviere A, Petersen TR, Paluska MR, Davis DD, Falcon R. An observational study of gastric contents in pediatric patients with long bone fracture using gastric ultrasound. *Pediatric Anesthesia* 2024 Aug; 34:768-72. DOI: 10.1111/pan.14923. PMID: 38764216.

Swanson K, He S, Calvano J, Chen D, Telvizian T, Jiang L, Chong P, Schwell J, Mak G, Lee J. Biomedical text readability after hypernym substitution with fine-tuned large language models. *PLoS Digital Health* 2024 Apr; 3(4):e0000489. DOI: 10.1371/journal.pdig.0000489. PMID: 38625843.

Swenson TL, Ehsanian R, Tran RT, Petersen TR, Kennedy DJ, Roche M, Oppezzo M, Noordsy DL, Fredericson M. The association between well-being and empathy in medical residents: a cross-sectional survey. *Journal of Integrative and Complementary Medicine* 2024 Jul; 30:691-7. DOI: 10.1089/jicm.2023.0116. PMID: 38416862. Co-first authors

Wahezi SE et al. [including Dr. Grandhe]. The current state of training in pain medicine fellowships: An Association of Pain Program Directors (APPD) survey of program directors. *Pain Practice* 2024 Sep; 24(7):895-903. DOI: 10.1111/papr.13373. PMID: 38553945.

Westlund KN, Montera M, Goins AE, Shilling M, Afaghpoor-Becklund M, Alles SRA, Hui E. Epigenetic HDAC5 Inhibitor LMK235 Reverses Chronic Craniofacial Neuropathic Pain in Mice. *Journal of Pain* 2024 Feb; 25:428-50. DOI: 10.1016/j.jpain.2023.09.015. PMID: 37777035.

Zurek NA, Ehsanian R, Goins AE, Adams IA, Petersen T, Goyal S, Shilling M, Westlund KN, Alles SRA.
Electrophysiological analyses of human dorsal root ganglia and human induced pluripotent stem cell-derived sensory neurons from male and female donors. *Journal of Pain* 2024 Jun; 25(6):104451. DOI: 10.1016/j.jpain.2023.12.008. PMID: 38154622. Co-first authors



Zurek NA, Thiagarajan S, Ehsanian R, Goins AE, Goyal S, Shilling M, Lambert CG, Westlund KN, Alles SRA. Machine learning elucidates electrophysiological properties predictive of multi- and single-firing human and mouse dorsal root ganglia neurons. *eNeuro* 2024 Oct; 11(10): ENEURO.0248-24.2024. DOI: 10.1523/ENEURO.0248-24.2024. PMID: 39299808.