

**2022 Publications by Members of the UTSW
Department of Anesthesiology & Pain Management**

Original Research

1. Ahmed HM, Atterton BP, Crowe GG, Barratta JL, Johnson M, Viscusi E, Adhikary S, Albrecht E, Boretzky K, Boublik J, Breslin DS, Byrne K, Ch'ng A, Chuan A, Conroy P, Daniel C, Daszkiewicz A, Delbos A, Dirzu DS, Dmytriiev D, Fennessy P, Fischer HBJ, Frizelle H, Gadsden J, Gautier P, Gupta RK, Gürkan Y, Hardman HD, Harrop-Griffiths W, Hebbard P, Hernandez N, Hlasny J, Iohom G, Ip VHY, Jeng CL, Johnson RL, Kalagara H, Kinirons B, Lansdown AK, Leng JC, Lim YC, Lobo C, Ludwin DB, Macfarlane AJR, Machi AT, Mahon P, Mannion S, McLeod DH, Merjavy P, Miscuks A, Mitchell CH, Moka E, Moran P, Ngui A, Nin OC, O'Donnell BD, Pawa A, Perlas A, Porter S, Pozek JP, Rebelo HC, Roqués V, Schroeder KM, Schwartz G, Schwenk ES, Sermeus L, Shorten G, Srinivasan K, Stevens MF, Theodoraki K, Turbitt LR, Valdés-Vilches LF, Volk T, Webster K, Wiesmann T, Wilson SH, Wolmarans M, Woodworth G, Worek AK, Moran EML. Recommendations for effective documentation in regional anesthesia: an expert panel Delphi consensus project. *Reg Anesth Pain Med*. 2022 May;47(5):301-308. doi: 10.1136/rapm-2021-103136. Epub 2022 Feb 22. PMID: 35193970; PMCID: PMC8961753.
2. Albrecht E, Kehlet H, Raeder J, Joshi GP. Impact of country of origin on procedure-specific postoperative pain management (PROSPECT) recommendations. *Anaesthesia*. 2022;77(9):1057-9. Epub 20220701. doi: 10.1111/anae.15796. PubMed PMID: 35776133.
3. Alexander JC, Sunna M, Goldenmerry Y, Mootz A, O'Connor C, Ringqvist J, Bunker M, Joshi GP, Gasanova I. Comparison of transversus abdominis plane blocks with liposomal bupivacaine versus ropivacaine in open total abdominal hysterectomy. *Proc (Bayl Univ Med Cent)*. 2022 Jun 30;35(6):746-750. doi: 10.1080/08998280.2022.2090798. PMID: 36304627; PMCID: PMC9586627.
4. Ambardekar AP, Eriksen W, Ferschl MB, McNaull PP, Cohen IT, Greeley WJ, Lockman JL. A Consensus-Driven Approach to Redesigning Graduate Medical Education: The Pediatric Anesthesiology Delphi Study. *Anesth Analg*. 2022 Jun 30. doi: 10.1213/ANE.0000000000006128. Epub ahead of print. PMID: 35777829.
5. Ambardekar AP, Furukawa L, Eriksen W, McNaull PP, Greeley WJ, Lockman JL. A Consensus-Driven Revision of the Accreditation Council for Graduate Medical Education Case Log System: Pediatric Anesthesiology Fellowship Education. *Anesth Analg*. 2022 Jun 30. doi: 10.1213/ANE.0000000000006129. Epub ahead of print. PMID: 35773224.
6. Anand K, Mayeda B, Penenberg B, Macario A. Spinal anesthesia in the hospital preoperative area before taking the patient to the operating room for total joint arthroplasty. *Perioperative Care and Operating Room Management*. 2022;28:100258. doi: <https://doi.org/10.1016/j.pcorm.2022.100258>.

7. Anyaehie KB, Duryea E, Wang J, Echebelem C, Macias D, Sunna M, Ogunkua O, Joshi GP, Gasanova I. Multimodal opioid-sparing pain management for emergent cesarean delivery under general anesthesia: a quality improvement project. *BMC Anesthesiol.* 2022 Jul 27;22(1):239. doi: 10.1186/s12871-022-01780-9. PMID: 35896959; PMCID: PMC9327409.
8. Baker WB, Li Z, Englund EK, Langham MC, Feng J, Jia K, Floyd TF, Yodh AG. Effects of Exercise Training on Resting Calf Muscle Oxygen Metabolism in Patients with Peripheral Artery Disease. *Biophotonics Congress: Biomedical Optics 2022 (Translational, Microscopy, OCT, OTS, BRAIN)*, Technical Digest Series (Optica Publishing Group, 2022), paper OM4D.4.
9. Bellomo TR, Tsao NL, Johnston-Cox H, Borkowski K, Shakt G, Judy R, Moore J, Ractcliffe SJ, Fiehn O, Floyd TF, Wehrli FW, Mohler E, Newman JW, Damrauer SM. Metabolite patterns associated with individual response to supervised exercise therapy in patients with intermittent claudication. *JVS Vasc Sci.* 2022 Oct 25;3:379-388. doi: 10.1016/j.jvssci.2022.10.002. PMID: 36568282; PMCID: PMC9772856.
10. Berger M, Eleswarpu SS, Cooter Wright M, Ray AM, Wingfield SA, Heflin MT, Bengali S, Udani AD. Developing a Real-Time Electroencephalogram-Guided Anesthesia-Management Curriculum for Educating Residents: A Single-Center Randomized Controlled Trial. *Anesth Analg.* 2022 Jan 1;134(1):159-170. doi: 10.1213/ANE.0000000000005677. PMID: 34709008; PMCID: PMC8678191.
11. Canan A, Kandathil A, Li JL, Xi Y, Wehrmann L, Bryson T, Browning T, Abbara S, Fox AA. Preoperative Thoracic CT Findings Associated With Postoperative Mechanical Ventilation in Patients Undergoing Major Abdominal or Pelvic Surgery: A Matched Case-Control Study. *AJR Am J Roentgenol.* 2022 Feb;218(2):279-288. doi: 10.2214/AJR.21.26411. Epub 2021 Sep 1. PMID: 34467781.
12. Carlson A, Pham D, Price C, Reisch J, Iskander I, Ambardekar A. Intraoperative Methadone Use in Pediatric Burn Patients. *J Burn Care Res.* 2022 Nov 2;43(6):1294-1298. doi: 10.1093/jbcr/irac022. PMID: 35245371.
13. Cervantes-Arslanian AM, Venkata C, Anand P, Burns JD, Ong CJ, LeMahieu AM, Schulte PJ, Singh TD, Rabinstein AA, Deo N, Bansal V, Boman K, Domecq Garces JP, Lee Armaignac D, Christie AB, Melamed RR, Tarabichi Y, Cheruku SR, Khanna AK, Denson JL, Banner-Goodspeed VM, Anderson HL 3rd, Gajic O, Kumar VK, Walkey A, Kashyap R. Neurologic Manifestations of Severe Acute Respiratory Syndrome Coronavirus 2 Infection in Hospitalized Patients During the First Year of the COVID-19 Pandemic. *Crit Care Explor.* 2022 Apr 25;4(4):e0686. doi: 10.1097/CCE.0000000000000686. PMID: 35492258; PMCID: PMC9042584.
14. Chakrabarti A, Nguyen A, Newhams MM, Ohlson MB, Yang X, Ulufatu S, Liu S, Park S, Xu M, Jiang J, Halpern WG, Anania VG, McBride JM, Rosenberger CM, Randolph AG; Pediatric Intensive Care Influenza (PICFLU) Investigators. Surfactant protein D is a biomarker of influenza-related pediatric lung injury. *Pediatr Pulmonol.* 2022 Feb;57(2):519-528. doi: 10.1002/ppul.25776. Epub 2021 Dec 7. PMID: 34842360; PMCID: PMC8792225.

15. Chen MJ, Ambardekar A, Martinelli SM, Buhl LK, Walsh DP, Levy L, Ku C, Rubenstein LA, Neves S, Mitchell JD. Defining and Addressing Anesthesiology Needs in Simulation-based Medical Education. *J Educ Perioper Med*. 2022 Apr 1;24(2):1-15. doi: 10.46374/volxxiv_issue2_mitchell. PMID: 36051401; PMCID: PMC9426263.
16. Cheruku SR, Barina A, Kershaw CD, Goff K, Reisch J, Hynan LS, Ahmed F, Armaignac DL, Patel L, Belden KA, Kaufman M, Christie AB, Deo N, Bansal V, Boman K, Kumar VK, Walkey A, Kashyap R, Gajic O, Fox AA; Society of Critical Care Medicine Discovery Viral Infection, Respiratory Illness Universal Study VIRUS: COVID-19 Registry Investigator Group. Palliative care consultation and end-of-life outcomes in hospitalized COVID-19 patients. *Resuscitation*. 2022 Jan;170:230-237. doi: 10.1016/j.resuscitation.2021.12.011. Epub 2021 Dec 14. PMID: 34920014; PMCID: PMC8669976.
17. Cheruku SR, Fox AA, Heravi H, Doolabh N, Davis J, He J, Deonaraine C, Bereuter L, Reisch J, Ahmed F, Skariah L, Machi A. Thoracic Interfascial Plane Blocks and Outcomes After Minithoracotomy for Valve Surgery. *Semin Cardiothorac Vasc Anesth*. 2022 Oct 25:10892532221136386. doi: 10.1177/10892532221136386. Epub ahead of print. PMID: 36282242.
18. Chong JL, Meltzer KJ, Robinson RC, Hynan LS, Zafereo JA, Noe CE, Jarrett RB. Predictors of attrition in an interdisciplinary pain management program. *Rehabil Psychol*. 2022 Nov 3. doi: 10.1037/rep0000474. Epub ahead of print. PMID: 36326672
19. Cortese L, de Oliveira LB, Bernardes Delazari LE, Buckley EM, Busch DR, Caballer A, *et al.*, editors. Evaluating the Endothelial Impairments in COVID-19 Patients Using Near-Infrared Spectroscopy: the HEMOCVID-19 trial. *Biophotonics Congress: Biomedical Optics 2022 (Translational, Microscopy, OCT, OTS, BRAIN)*; 2022 2022/04/24; Fort Lauderdale, Florida: *Optica Publishing Group*.
20. Elsharydah A, Wu J, Li FC. Decreasing waiting time for new patients at a community pain clinic. *Proc (Bayl Univ Med Cent)*. 2022 Mar 9;35(3):315-318. doi: 10.1080/08998280.2022.2043715. PMID: 35518832; PMCID: PMC9037408.
21. Englund EK, Langham MC, Wehrli FW, Fanning MJ, Khan Z, Schmitz KH, Ratcliffe SJ, Floyd TF, Mohler ER 3rd. Impact of supervised exercise on skeletal muscle blood flow and vascular function measured with MRI in patients with peripheral artery disease. *Am J Physiol Heart Circ Physiol*. 2022 Sep 1;323(3):H388-H396. doi: 10.1152/ajpheart.00633.2021. Epub 2022 Jul 8. PMID: 35802515; PMCID: PMC9359664.
22. Gao F, Wahl JA, Floyd TF. Anesthesia and neurotoxicity study design, execution, and reporting in the nonhuman primate: A systematic review. *Paediatr Anaesth*. 2022;32(4):509-21. Epub 20220201. doi: 10.1111/pan.14401. PubMed PMID: 35066973.
23. Garcia MA, Johnson SW, Sisson EK, Sheldrick CR, Kumar VK, Boman K, Bolesta S, Bansal V, Bogojevic M, Domecq JP, Lal A, Heavner S, Cheruku SR, Lee D, Anderson HL, Denson JL, Gajic O, Kashyap R, Walkey

AJ; from the Society of Critical Care Medicine's Discovery Viral Infection and Respiratory Illness Universal Study Investigators. Variation in Use of High-Flow Nasal Cannula and Noninvasive Ventilation Among Patients With COVID-19. *Respir Care*. 2022 Aug;67(8):929-938. doi: 10.4187/respcare.09672. Epub 2022 Jun 7. PMID: 35672139; PMCID: PMC9451494.

24. Goel V, Kaizer A, Patwardhan AM, Ibrahim M, DeSimone DC, Sivanesan E, Shankar H. Postoperative Oral Antibiotic Use and Infection-Related Complications After Spinal Cord Stimulator Surgery. *Neuromodulation*. 2022 Jul;25(5):738-744. doi: 10.1016/j.neurom.2021.10.012. Epub 2021 Dec 18. PMID: 35088754
25. Goel V, Kumar V, Patwardhan AM, Ibrahim M, Sivanesan E, Darrow D, Shankar H. Procedure-Related Outcomes Including Readmission Following Spinal Cord Stimulator Implant Procedures: A Retrospective Cohort Study. *Anesth Analg*. 2022 Apr 1;134(4):843-852. doi: 10.1213/ANE.0000000000005816. PMID: 34914642.
26. Gorbea M, Duarte IM, Reisch JS, Hernandez J. Perioperative Outcomes in Patients With Failing Single-Ventricle Physiology Undergoing Ventricular Assist Device Placement: A Single Institutional Experience. *J Cardiothorac Vasc Anesth*. 2022 Dec;36(12):4347-4356. doi: 10.1053/j.jvca.2022.06.038. Epub 2022 Jul 2. PMID: 36050214.
27. Gupta N, Settle L, Brown BR, Armaignac DL, Baram M, Perkins NE, Kaufman M, Melamed RR, Christie AB, Danesh VC, Denson JL, Cheruku SR, Boman K, Bansal V, Kumar VK, Walkey AJ, Domecq JP, Kashyap R, Aston CE; Society of Critical Care Medicine Discovery Viral Infection and Respiratory Illness Universal Study (VIRUS): COVID-19 Registry Investigator Group. Association of Renin Angiotensin Aldosterone System Inhibitors and Outcomes of Hospitalized Patients With COVID-19. *Crit Care Med*. 2022 Oct 1;50(10):e744-e758. doi: 10.1097/CCM.0000000000005627. Epub 2022 Jul 27. PMID: 35894609; PMCID: PMC9469914.
28. Haddock NT, Garza R, Boyle CE, Teotia SS. Observations from Implementation of the ERAS Protocol after DIEP Flap Breast Reconstruction. *J Reconstr Microsurg*. 2022 Jul;38(6):506-510. doi: 10.1055/s-0041-1740125. Epub 2021 Nov 24. PMID: 34820799.
29. Huang M, Watso JC, Belval LN, Cimino FA, Fischer M, Jarrard CP, Hendrix JM, Laborde CH, Crandall CG. Low-dose fentanyl does not alter muscle sympathetic nerve activity, blood pressure, or tolerance during progressive central hypovolemia. *Am J Physiol Regul Integr Comp Physiol*. 2022 Jan 1;322(1):R55-R63. doi: 10.1152/ajpregu.00217.2021. Epub 2021 Dec 1. PMID: 3485173; PMCID: PMC8742719.
30. Ikegami D, Navratilova E, Yue X, Moutal A, Kopruszinski CM, Khanna R, Patwardhan A, Dodick DW, Porreca F. A prolactin-dependent sexually dimorphic mechanism of migraine chronification.

Cephalalgia. 2022 Mar;42(3):197-208. doi: 10.1177/03331024211039813. Epub 2021 Sep 12. PMID: 34510920.

31. Ito H, Navratilova E, Vagnerova B, Watanabe M, Kopruszinski C, Moreira de Souza LH, Yue X, Ikegami D, Moutal A, Patwardhan A, Khanna R, Yamazaki M, Guerrero M, Rosen H, Roberts E, Neugebauer V, Dodick DW, Porreca F. Chronic pain recruits hypothalamic dynorphin/kappa opioid receptor signalling to promote wakefulness and vigilance. *Brain*. 2022 Apr 29;awac153. doi: 10.1093/brain/awac153. Epub ahead of print. PMID: 35485490.
32. Johnson BA, Akhtar A, Crivelli J, Steinberg RL, Sasaki J, Street A, Antonelli JA, Pearle MS. Impact of an Enhanced Recovery After Surgery Protocol on Unplanned Patient Encounters in the Early Postoperative Period After Ureteroscopy. *J Endourol*. 2022 Mar;36(3):298-302. doi: 10.1089/end.2021.0435. Epub 2021 Oct 14. PMID: 34569278.
33. Kan C, Ye Z, Zhou H, Cheruku SR. DG-ECG: Multi-stream deep graph learning for the recognition of disease-altered patterns in electrocardiogram. *Biomedical Signal Processing and Control*. 2023 Feb 1;80:104388.
34. Karamchandani K, McDowell BJ, Raghunathan K, Krishnamoorthy V, Lehman EB, Ohnuma T, Bonavia A. Failure to Rescue After Severe Acute Kidney Injury in Patients Undergoing Non-Cardiac Surgery. *J Surg Res*. 2022 Nov;279:148-163. doi: 10.1016/j.jss.2022.05.018. Epub 2022 Jun 28. PMID: 35777347.
35. Kato MA, Zurakowski D, Adams A, Soelberg J, Staffa SJ, Bradford VA, Efune PN, Rodgers McCormick ME, Grivoyannis AD, Rossmann Beel E, Correll LR, Cheon EC, Tan GM, Thomas JJ, Fernandez AM, Teng HC, Khanna N, Raman VT, Brzenski AB, Frugoni BJ, Sheth MM, Rugnath RM, Meier PM. Prevalence of COVID-19 and Risk Factors for Infection Among Pediatric Anesthesia Patients: A Report From the PEACOC Research Network. *Anesth Analg*. 2022 Oct 21. doi: 10.1213/ANE.0000000000006227. Epub ahead of print. PMID: 36269171.
36. Kelly I, Fields K, Sarin P, Pang A, Sigurdsson MI, Shernan SK, Fox AA, Body SC, Muehlschlegel JD. Identifying Patients Vulnerable to Inadequate Pain Resolution After Cardiac Surgery. *Semin Thorac Cardiovasc Surg*. 2022 Sep 7:S1043-0679(22)00209-X. doi: 10.1053/j.semtcvs.2022.08.010. Epub ahead of print. PMID: 36084862.
37. Korah HE, Cheng K, Washington SM, Flowers ME, Stratton HJ, Patwardhan A, Ibrahim MM, Martin LF. Partial Sciatic Nerve Ligation: A Mouse Model of Chronic Neuropathic Pain to Study the Antinociceptive Effect of Novel Therapies. *J Vis Exp*. 2022 Oct 6;(188). doi: 10.3791/64555. PMID: 36282702.
38. Lal A, Garces JPD, Bansal V, Tekin A, Zec S, Khanna AK, Warner MA, Christie AB, Cartin-Ceba R, Banner-Goodspeed VM, Armaignac DL, Cheruku SR, Raju U, Tarabichi Y, Denson JL, Kumar V, Walkey A, Boman K, Deo N, Kashyap R, Gajic O; from the Society of Critical Care Medicine Discovery Viral Infection,

Respiratory Illness Universal Study (VIRUS): COVID-19 Registry Investigator Group. Pre-hospital Aspirin Use and Patient Outcomes in COVID-19: Results from the International Viral Infection and Respiratory Illness Universal Study (VIRUS). *Arch Bronconeumol*. 2022 Nov;58(11):746-753. doi: 10.1016/j.arbres.2022.07.017. Epub 2022 Sep 8. PMID: 36153214; PMCID: PMC9451929.

39. Lauridsen KG, Lasa JJ, Raymond TT, Yu P, Niles D, Sutton RM, Morgan RW, Fran Hazinski M, Griffis H, Hanna R, Zhang X, Berg RA, Nadkarni VM; pediRES-Q Investigators. Association of chest compression pause duration prior to E-CPR cannulation with cardiac arrest survival outcomes. *Resuscitation*. 2022 Aug;177:85-92. doi: 10.1016/j.resuscitation.2022.05.004. Epub 2022 May 16. PMID: 35588971.
40. Lim J, Garigipati P, Liu K, Johnson RF, Liu C. Risk Factors for Post-Tonsillectomy Respiratory Events in Children With Severe Obstructive Sleep Apnea. *Laryngoscope*. 2022 Aug 6. doi: 10.1002/lary.30317. Epub ahead of print. PMID: 35932233.
41. Liu K, Liu C, Ulualp SO. Prevalence of Emergence Delirium in Children Undergoing Tonsillectomy and Adenoidectomy. *Anesthesiol Res Pract*. 2022 Sep 28;2022:1465999. doi: 10.1155/2022/1465999. PMID: 36212781; PMCID: PMC9534659.
42. Lussier BL, Pham DT, Ratti GA, Patel J, Mitchell BC, Chen C. Catheterization Without Supination-A Series of 36 Prone Position Internal Jugular Vein Cannulations. *Crit Care Explor*. 2022 Dec 30;5(1):e0831. doi: 10.1097/CCE.0000000000000831. PMID: 36600779; PMCID: PMC9803471.
43. Lynch JM, Mavroudis CD, Ko TS, Jacobowitz M, Busch DR, Xiao R, Nicolson SC, Montenegro LM, Gaynor JW, Yodh AG, Licht DJ. Association of Ongoing Cerebral Oxygen Extraction During Deep Hypothermic Circulatory Arrest With Postoperative Brain Injury. *Semin Thorac Cardiovasc Surg*. 2022 Winter;34(4):1275-1284. doi:10.1053/j.semtcvs.2021.08.026. Epub 2021 Sep 8. PMID: 34508811; PMCID: PMC8901799.
44. Macias DA, Adhikari EH, Eddins M, Nelson DB, McIntire DD, Duryea EL. A comparison of acute pain management strategies after cesarean delivery. *Am J Obstet Gynecol*. 2022 Mar;226(3):407.e1-407.e7. doi: 10.1016/j.ajog.2021.09.003. Epub 2021 Sep 14. PMID: 34534504
45. Malviya AK, Bruceta M, Singh PM, Bonavia A, Karamchandani K, Gupta A. Analysis of the American College of Surgeons National Surgical Quality Improvement Program® (ACS NSQIP®) Database to Identify Factors Associated with Postoperative Mortality After Elective Non-cardiac Surgery. *Indian Journal of Surgery*, 2022: 84, 234-239.
46. Martin L, Ibrahim M, Gomez K, Yu J, Cai S, Chew LA, Bellampalli SS, Moutal A, Largent-Milnes T, Porreca F, Khanna R, Olivera BM, Patwardhan A. Conotoxin contulakin-G engages a neurotensin receptor 2/R-type calcium channel (Cav2.3) pathway to mediate spinal antinociception. *Pain*. 2022 Sep 1;163(9):1751-1762. doi: 10.1097/j.pain.0000000000002561. Epub 2021 Dec 15. PMID: 35050960; PMCID: PMC9198109.
47. Martin LF, Cheng K, Washington SM, Denton M, Goel V, Khandekar M, Largent-Milnes TM, Patwardhan A, Ibrahim MM. Green Light Exposure Elicits Anti-inflammation, Endogenous Opioid Release and

Dampens Synaptic Potentiation to Relieve Post-surgical Pain. *J Pain*. 2022 Oct 23;S1526-5900(22)00437-0. doi: 10.1016/j.jpain.2022.10.011. Online ahead of print. PMID: 36283655

48. Marty P, Chassery C, Rontes O, Vuillaume C, Basset B, Merouani M, Marquis C, De Lussy A, Ferré F, Naudin C, Joshi GP, Delbos A. Combined proximal or distal nerve blocks for postoperative analgesia after total knee arthroplasty: a randomised controlled trial. *Br J Anaesth*. 2022 Sep;129(3):427-434. doi: 10.1016/j.bja.2022.05.024. Epub 2022 Jun 28. PMID: 35773028.
49. Mason AE, Hecht FM, Davis SK, Natale JL, Hartogensis W, Damaso N, Claypool KT, Dilchert S, Dasgupta S, Purawat S, Viswanath VK, Klein A, Chowdhary A, Fisher SM, Anglo C, Puldon KY, Veasna D, Prather JG, Pandya LS, Fox LM, Busch M, Giordano C, Mercado BK, Song J, Jaimes R, Baum BS, Telfer BA, Philipson CW, Collins PP, Rao AA, Wang EJ, Bandi RH, Choe BJ, Epel ES, Epstein SK, Krasnoff JB, Lee MB, Lee SW, Lopez GM, Mehta A, Melville LD, Moon TS, Mujica-Parodi LR, Noel KM, Orosco MA, Rideout JM, Robishaw JD, Rodriguez RM, Shah KH, Siegal JH, Gupta A, Altintas I, Smarr BL. Detection of COVID-19 using multimodal data from a wearable device: results from the first TemPredict Study. *Sci Rep*. 2022 Mar 2;12(1):3463. doi: 10.1038/s41598-022-07314-0. Erratum in: *Sci Rep*. 2022 Mar 16;12(1):4568. PMID: 35236896; PMCID: PMC8891385.
50. Matchett G, Gasanova I, Riccio CA, Nasir D, Sunna MC, Bravenec BJ, Azizad O, Farrell B, Minhajuddin A, Stewart JW, Liang LW, Moon TS, Fox PE, Ebeling CG, Smith MN, Trousdale D, Ogunnaike BO; EvK Clinical Trial Collaborators. Etomidate versus ketamine for emergency endotracheal intubation: a randomized clinical trial. *Intensive Care Med*. 2022 Jan;48(1):78-91. doi: 10.1007/s00134-021-06577-x. Epub 2021 Dec 14. PMID: 34904190.
51. Meier J, Stevens A, Berger M, Hogan TP, Reisch J, Cullum CM, Lee SC, Skinner CS, Zeh H, Brown CJ, Balentine CJ. Use of local anesthesia for inguinal hernia repair has decreased over time in the VA system. *Hernia*. 2022 Aug;26(4):1069-1075. doi: 10.1007/s10029-021-02532-3. Epub 2021 Nov 7. PMID: 34743254; PMCID: PMC9076752.
52. Modrall JG, Tsai S, Ramanan B, Rosero EB. Frailty as a Predictor of Mortality for Fenestrated EVAR and Open Surgical Repair of Aortic Aneurysms Involving Visceral Vessels. *Ann Vasc Surg*. 2022;80:29-36. Epub 20211112. doi: 10.1016/j.avsg.2021.10.035. PubMed PMID: 34780958.
53. Mohanka MR, Joerns J, Lawrence A, Bollineni S, Kaza V, Cheruku S, Leveno M, Chen C, Terada LS, Kershaw CD, Torres F, Peltz M, Wait MA, Hackmann AE, Banga A. ECMO Long Haulers: A Distinct Phenotype of COVID-19-Associated ARDS With Implications for Lung Transplant Candidacy. *Transplantation*. 2022 Apr 1;106(4):e202-e211. doi: 10.1097/TP.0000000000004052. PMID: 35135970; PMCID: PMC8942600.
54. Ogunkua OT, Duryea EL, Nelson DB, Eddins MM, Klucsarits SE, McIntire DD, Leveno KJ. Tranexamic acid for prevention of hemorrhage in elective repeat cesarean delivery-a randomized study. *Am J Obstet Gynecol MFM*. 2022 Mar;4(2):100573. doi: 10.1016/j.ajogmf.2022.100573. Epub 2022 Jan 15. PMID: 35038612.

55. Olateju SO, Adetoye AO, Aaron OI, Ameye SA, Oria AI, Olomu PN, Adeniyi OA, Faponle AF. A clinical prediction of skin to subarachnoid space depth in parturients undergoing caesarean delivery in a Nigerian population. *J Obstet Gynaecol.* 2022 Dec 14;2151348. doi: 10.1080/01443615.2022.2151348. Epub ahead of print. PMID: 36518050.
56. Padawer-Curry JA, Volk LE, Mavroudis CD, Ko TS, Morano VC, Busch DR, Rosenthal TM, Melchior RW, Shade BC, Schiavo KL, Boorady TW, Schmidt AL, Andersen KN, Breimann JS, Jahnavi J, Mensah-Brown KG, Yodh AG, Mascio CE, Kilbaugh TJ, Licht DJ, White BR, Baker WB. Effects of circulatory arrest and cardiopulmonary bypass on cerebral autoregulation in neonatal swine. *Pediatr Res.* 2022 May;91(6):1374-1382. doi: 10.1038/s41390-021-01525-3. Epub 2021 May 4. PMID: 33947997; PMCID: PMC8566324.
57. Peterson MB, Gurnaney HG, Disma N, Matava C, Jagannathan N, Stein ML, Liu H, Kovatsis PG, von Ungern-Sternberg BS, Fiadjoe JE; PAWS-COVID-19 Group. Complications associated with paediatric airway management during the COVID-19 pandemic: an international, multicentre, observational study. *Anaesthesia.* 2022 Mar 23;77(6):649-58. doi: 10.1111/anae.15716. Epub ahead of print. PMID: 35319088; PMCID: PMC9111470.
58. Porter S, Prendiville E, Allen BFS, Booth G, Boublik J, Burnett GW, Elkassabany N, Hausman J, Klesius L, Le-Wendling L, Machi AT, Maniker R, Parra M, Rosenquist R, Spofford CM, Suresh S, Tedore T, Wilson EH, Zhou JY, Woodworth G. Development of entrustable professional activities for regional anesthesia and pain medicine fellowship training. *Reg Anesth Pain Med.* 2022 Jul 25:rapm-2022-103854. doi: 10.1136/rapm-2022-103854. Epub ahead of print. PMID: 35878963.
59. Ramiro IBL, Bjørn-Yoshimoto WE, Imperial JS, Gajewiak J, Salcedo PF, Watkins M, Taylor D, Resager W, Ueberheide B, Bräuner-Osborne H, Whitby FG, Hill CP, Martin LF, Patwardhan A, Concepcion GP, Olivera BM, Safavi-Hemami H. Somatostatin venom analogs evolved by fish-hunting cone snails: From prey capture behavior to identifying drug leads. *Sci Adv.* 2022 Mar 25;8(12):eabk1410. doi: 10.1126/sciadv.abk1410. Epub 2022 Mar 23. PMID: 35319982; PMCID: PMC8942377.
60. Sanford E, Akorede R, Miller I, Contreras G, Swalley N, Morriss MC, *et al.*, editors. A Pilot Study Comparing Optically Measured Cerebral Autoregulation During Pediatric Extracorporeal Life Support and Neurological Injury. *Biophotonics Congress: Biomedical Optics 2022 (Translational, Microscopy, OCT, OTS, BRAIN)*; 2022 2022/04/24; Fort Lauderdale, Florida: *Optica Publishing Group*.
61. Sanford EL, Nair R, Alder A, Sessler DI, Flores G, Szmuk P. Racial/ethnic differences in receipt of surgery among children in the United States. *J Pediatr Surg.* 2022. Epub 20220412. doi: 10.1016/j.jpedsurg.2022.03.035. PubMed PMID: 35568523.

62. Sarac BA, Schoenbrunner AR, Brower KI, Joshi GP, Janis JE. Analysis of Adverse Effects of Multimodal Gabapentin in Abdominal Wall Reconstruction. *Plast Reconstr Surg*. 2022;149(3):733-9. doi: 10.1097/prs.0000000000008836. PubMed PMID: 35041638.
63. Saynhalath R, Sanford EL, Efune PN. Calculation error alters interpretation of pulmonary complications in children with SARS-CoV-2 undergoing surgery. *Anaesthesia*. 2022. Epub 20220829. doi: 10.1111/anae.15849. PubMed PMID: 36039011; PubMed Central PMCID: PMC9538717.
64. Schacham NY, Chhabada S, Efune PN, Pu X, Liu L, Yang D, Raza PC, Szmuk P, Sessler DI. Intraoperative Hypotension and Acute Kidney Injury after Noncardiac Surgery in Infants and Children: A Retrospective Cohort Analysis. *Anesthesiology*. 2022 Jan 1;136(1):93-103. doi: 10.1097/ALN.0000000000004057. PMID: 34843618.
65. Simone SM, Price CC, Floyd TF, Fanning M, Messé SR, Drabick DAG, Giovannetti T; Determining Neurologic Outcomes from Valve Operations (DENOVO) Investigators Preoperative cognition predicts clinical stroke/TIA and mortality after surgical aortic valve replacement in older adults. *J Clin Exp Neuropsychol*. 2022 Oct;44(8):550-561. doi: 10.1080/13803395.2022.2142526. Epub 2022 Nov 13. PMID: 36371699.
66. Snyder B, Wu HK, Tillman B, Floyd TF. Aged Mouse Hippocampus Exhibits Signs of Chronic Hypoxia and an Impaired HIF-Controlled Response to Acute Hypoxic Exposures. *Cells*. 2022;11(3). Epub 20220126. doi: 10.3390/cells11030423. PubMed PMID: 35159233; PubMed Central PMCID: PMC8833982.
67. Speltz Paiz R, Kaizer A, Jain SV, Darrow DP, Shankar H, Goel V. Lead and Pulse Generator Migration After Spinal Cord Stimulation Implantation: Insights From an Analysis of 7322 Patients. *Neuromodulation*. 2022 Aug 8:S1094-7159(22)00729-2. doi: 10.1016/j.neurom.2022.06.001. Epub ahead of print. PMID: 35953425.
68. Stewart JW, Yopp A, Porembka MR, Karalis JD, Sunna M, Schulz C, Alexander JC, Gasanova I, Joshi GP. Pain Management After Open Liver Resection: Epidural Analgesia Versus Ultrasound-Guided Erector Spinae Plane Block. *Cureus*. 2022 Aug 19;14(8):e28185. doi: 10.7759/cureus.28185. PMID: 36158398; PMCID: PMC9491619.
69. Stopenski S, Kuza CM, Luo X, Ogunnaike B, Ahmed MI, Melikman E, Moon T, Shoultz T, Feeler A, Dudaryk R, Navas J, Vasileiou G, Yeh DD, Matsushima K, Forestiere M, Lian T, Hernandez O, Ricks-Oddie J, Gabriel V, Nahmias J. Comparison of National Surgical Quality Improvement Program Surgical Risk Calculator, Trauma and Injury Severity Score, and American Society of Anesthesiologists Physical Status to predict operative trauma mortality in elderly patients. *J Trauma Acute Care Surg*. 2022 Mar 1;92(3):481-488. doi: 10.1097/TA.0000000000003481. PMID: 34882598.
70. Styrvoky K, Schwalk A, Pham D, Chiu HT, Rudkovskaia A, Madsen K, Carrio S, Kurian EM, De Las Casas L, Abu-Hijleh M. Shape-Sensing Robotic-Assisted Bronchoscopy with Concurrent use of Radial

Endobronchial Ultrasound and Cone Beam Computed Tomography in the Evaluation of Pulmonary Lesions. *Lung*. 2022 Dec;200(6):755-761. doi: 10.1007/s00408-022-00590-7. Epub 2022 Nov 11. PMID: 36369295.

71. Tekin A, Qamar S, Singh R, Bansal V, Sharma M, LeMahieu AM, Hanson AC, Schulte PJ, Bogojevic M, Deo N, Zec S, Valencia Morales DJ, Belden KA, Heavner SF, Kaufman M, Cheruku S, Danesh VC, Banner-Goodspeed VM, St Hill CA, Christie AB, Khan SA, Retford L, Boman K, Kumar VK, O'Horo JC, Domecq JP, Walkey AJ, Gajic O, Kashyap R, Surani S; Society of Critical Care Medicine (SCCM) Discovery Viral Infection and Respiratory Illness Universal Study (VIRUS): COVID-19 Registry Investigator Group. Association of latitude and altitude with adverse outcomes in patients with COVID-19: The VIRUS registry. *World J Crit Care Med*. 2022 Mar 9;11(2):102-111. doi: 10.5492/wjccm.v11.i2.102. PMID: 35433315; PMCID: PMC8968480.
72. Tollinche LE, Seier KP, Yang G, Tan KS, Tayban YD, Pastores SM, Yeoh CB, Karamchandani K. Discharge prescribing of enteral opioids in opioid naïve patients following non-surgical intensive care: A retrospective cohort study. *J Crit Care*. 2022 Apr;68:16-21. doi: 10.1016/j.jcrrc.2021.10.021. Epub 2021 Nov 29. PMID: 34856489; PMCID: PMC9473333.
73. Wang L, Cochran JM, Ko T, Baker WB, Abramson K, He L, Busch DR, Kavuri V, Linn RL, Parry S, Yodh AG, Schwartz N. Non-invasive monitoring of blood oxygenation in human placentas via concurrent diffuse optical spectroscopy and ultrasound imaging. *Nat Biomed Eng*. 2022 Sep;6(9):1017-1030. doi: 10.1038/s41551-022-00913-2. Epub 2022 Aug 15. PMID: 35970929.
74. Watso JC, Belval LN, Cimino FA 3rd, Orth BD, Hendrix JM, Huang M, Johnson E, Foster J, Hinojosa-Laborde C, Crandall CG. Low-dose morphine reduces tolerance to central hypovolemia in healthy adults without affecting muscle sympathetic outflow. *Am J Physiol Heart Circ Physiol*. 2022 Jul 1;323(1):H89-H99. doi: 10.1152/ajpheart.00091.2022. Epub 2022 Apr 22. PMID: 35452317; PMCID: PMC9190738.
75. Watso JC, Belval LN, Cimino FA 3rd, Orth BD, Hendrix JM, Huang M, Johnson E, Foster J, Hinojosa-Laborde C, Crandall CG. Low-dose morphine reduces pain perception and blood pressure, but not muscle sympathetic outflow, responses during the cold pressor test. *Am J Physiol Heart Circ Physiol*. 2022 Jul 1;323(1):H223-H234. doi: 10.1152/ajpheart.00092.2022. Epub 2022 Jun 17. PMID: 35714174; PMCID: PMC9273278.
76. Watso JC, Huang M, Belval LN, Cimino FA 3rd, Jarrard CP, Hendrix JM, Hinojosa-Laborde C, Crandall CG. Low-dose fentanyl reduces pain perception, muscle sympathetic nerve activity responses, and blood pressure responses during the cold pressor test. *Am J Physiol Regul Integr Comp Physiol*. 2022 Jan 1;322(1):R64-R76. doi: 10.1152/ajpregu.00218.2021. Epub 2021 Dec 1. Erratum in: *Am J Physiol Regul Integr Comp Physiol*. 2022 Aug 1;323(2):R277. PMID: 34851729; PMCID: PMC8742733.
77. Webster KLW, Keebler JR, Lazzara EH, Chaparro A, Greulich P, Fagerlund A. Handoffs and Teamwork: A Framework for Care Transition Communication. *Jt Comm J Qual Patient Saf*. 2022 Jun-Jul;48(6-7):343-

353. doi: 10.1016/j.jcjq.2022.04.001. Epub 2022 Apr 10. Erratum in: *Jt Comm J Qual Patient Saf.* 2023 Jan;49(1):64. PMID: 35715018.

78. Yuan I, Xu T, Skowno J, Zhang B, Davidson A, von Ungern-Sternberg BS, Sommerfield D, Zhang J, Song X, Zhang M, Zhao P, Liu H, Jiang Y, Zuo Y, de Graaff JC, Vutskits L, Olbrecht VA, Szmuk P, Kurth CD; BRAIN Collaborative Investigators. Isoelectric Electroencephalography in Infants and Toddlers during Anesthesia for Surgery: An International Observational Study. *Anesthesiology.* 2022 Aug 1;137(2):187-200. doi: 10.1097/ALN.0000000000004262. PMID: 35503999.
79. Zafereo J, Uhlenbrock B, Watson S, Wang-Price S, Noe C, Jarrett RB, Meltzer KJ, Huang M. Using quantitative sensory testing to predict attrition in an interdisciplinary pain management program: a pilot study. *Pain Manag.* 2022 Jul;12(5):623-633. doi: 10.2217/pmt-2021-0053. Epub 2022 Mar 29. PMID: 35345888.

Case Reports

1. Atwood C, Ulualp SO, Kastner Ungar G. A Fractured Tracheostomy Tube Causing Airway Compromise. *Am J Case Rep.* 2022 May 20;23:e936072. doi: 10.12659/AJCR.936072. PMID: 35591761; PMCID: 9128454.
2. Brosnan H, McLean M, Abramowicz AE. Anesthetic Selection for an Awake Craniotomy for a Glioma With Wernicke's Aphasia: A Case Report. *Cureus.* 2022 Mar 15;14(3):e23181. doi: 10.7759/cureus.23181. PMID: 35444894; PMCID: PMC9010008.
3. Cheng K, Martin LF, Calligaro H, Patwardhan A, Ibrahim MM. Case Report: Green Light Exposure Relieves Chronic Headache Pain in a Colorblind Patient. *Clin Med Insights Case Rep.* 2022 Sep 20;15:11795476221125164. doi: 10.1177/11795476221125164. PMID: 36159182; PMCID: PMC9493681.
4. Efun PN, Rebstock SE. Suspected opioid-induced hyperalgesia in an infant following surgery: A case report. *J Clin Pharm Ther.* 2022;47(9):1486-9. Epub 20220815. doi: 10.1111/jcpt.13756. PubMed PMID: 35968556.
5. Hembd A, Kim H, Lahsaei P, Haddock NT, Teotia SS. Upper-Extremity Phlegmasia Cerulea Dolens With Compartment Syndrome in Coronavirus Disease 2019 Sepsis. *J Hand Surg Am.* 2022;47(7):693.e1-.e3. Epub 20210504. doi: 10.1016/j.jhsa.2021.04.028. PubMed PMID: 34127316; PubMed Central PMCID: PMC8096192.
6. Karamchandani DM, Go P, Bayerl M, Karamchandani K. Oesophageal post-therapy myeloid sarcoma masquerading as poorly differentiated adenocarcinoma: a diagnostic pitfall. *Histopathology.* 2022 Feb;80(3):604-606. doi: 10.1111/his.14538. Epub 2021 Sep 20. PMID: 34355418.

7. Murvelashvili N, Polanco PM, Khorsand SM, Marrero JA, Jia L, Mirfakhraee S, Else T, Habra MA, Cole S, Hamidi O. Severe Cholestatic Jaundice (Stauffer Syndrome) as a Rare Paraneoplastic Manifestation in Adrenocortical Carcinoma. *J Endocr Soc.* 2022 Jun 29;6(8):bvac101. doi: 10.1210/jendso/bvac101. PMID: 35811575; PMCID: PMC9261502.
8. Patel S, Bennett K, Tao W. Labor epidural analgesia with severe thrombocytopenia. *Proc (Bayl Univ Med Cent).* 2021 Aug 23;35(1):115-116. doi: 10.1080/08998280.2021.1961551. PMID: 34970058; PMCID: PMC8682822.
9. Zafereo J, Jones S, Jarrett RB, Frost S, Noe C. Improved symptoms of complex regional pain syndrome after novel lymphatic treatment and interdisciplinary pain management. *Complement Ther Clin Pract.* 2022 Feb;46:101512. doi: 10.1016/j.ctcp.2021.101512. Epub 2021 Nov 10. PMID: 34785422.

Review Articles

1. Azizad O, Joshi GP. Ambulatory surgical patients and sleep apnea. *Int Anesthesiol Clin.* 2022;60(2):43-9. doi: 10.1097/aia.0000000000000356. PubMed PMID: 35180144.
2. Berenstain LK, Markowitz SD, Byerly SI. Physician Coaching. *Anesthesiol Clin.* 2022 Jun;40(2):337-348. doi: 10.1016/j.anclin.2022.01.007. Epub 2022 May 7. PMID: 35659405.
3. Bonavia A, Abdelmalak B, Karamchandani K. Non-operating room anesthesia in the intensive care unit. *J Clin Anesth.* 2022;78:110668. Epub 20220204. doi: 10.1016/j.jclinane.2022.110668. PubMed PMID: 35131557.
4. Chen JL, Moon TS, Schumann R. Bariatric surgery in patients with obstructive sleep apnea. *Int Anesthesiol Clin.* 2022;60(2):50-8. doi: 10.1097/aia.0000000000000355. PubMed PMID: 35125481.
5. Dao AQ, Mohapatra S, Kuza C, Moon TS. Traumatic brain injury and RSI is rocuronium or succinylcholine preferred? *Current Opinion in Anaesthesiology* (>):10.1097/ACO.0000000000001225, December 07, 2022. | DOI: 10.1097/ACO.0000000000001225
6. Desmond M, Schwengel D, Chilson K, Rusy D, Ingram K, Ambardekar A, Greenberg RS, Belani K, Perate A, Gangadharan M; Society for Pediatric Anesthesia Disaster Preparedness Special Interest Group. Paediatric patients in mass casualty incidents: a comprehensive review and call to action. *Br J Anaesth.* 2022 Feb;128(2):e109-e119. doi: 10.1016/j.bja.2021.10.026. Epub 2021 Nov 30. PMID: 34862001.
7. Ebeling C, Cheruku S. Anesthetic Management for Endovascular Repair of Thoracic and Abdominal Aortic Aneurysms. *Anesthesiol Clin.* 2022 Dec;40(4):719-735. doi: 10.1016/j.anclin.2022.08.014. Epub 2022 Sep 28. PMID: 36328625

8. Gorbea M. A Review of Physiologic Considerations and Challenges in Pediatric Patients With Failing Single- Ventricle Physiology Undergoing Ventricular Assist Device Placement. *J Cardiothorac Vasc Anesth.* 2022;36(6):1756-70. Epub 20210527. doi: 10.1053/j.jvca.2021.05.045. PubMed PMID: 34229925.
9. Jan KM, Mohapatra S, Moon TS. Alternative blood products in trauma. *Current Opinion in Anaesthesiology* (:):10.1097/ACO.0000000000001217, December 07, 2022. | DOI: 10.1097/ACO.0000000000001217
10. Jarzebowski M, Estime S, Russotto V, Karamchandani K. Challenges and outcomes in airway management outside the operating room. / 2022;35(2):109-14. doi: 10.1097/ACO.0000000000001100. PubMed PMID: 35102045.
11. Joshi GP, Stewart J, Kehlet H. Critical appraisal of randomised trials assessing regional analgesic interventions for knee arthroplasty: implications for postoperative pain guidelines development. *Br J Anaesth.* 2022;129(2):142-4. Epub 20220524. doi: 10.1016/j.bja.2022.04.019. PubMed PMID: 35618537.
12. Khorsand S, Karamchandani K, Joshi GP. Sedation-analgesia techniques for nonoperating room anesthesia: an update. *Curr Opin Anaesthesiol.* 2022;35(4):450-6. Epub 20220311. doi: 10.1097/aco.0000000000001123. PubMed PMID: 35283459.
13. Lavand'homme PM, Kehlet H, Rawal N, Joshi GP; PROSPECT Working Group of the European Society of Regional Anaesthesia and Pain Therapy (ESRA). Pain management after total knee arthroplasty: PROcedure SPECific Postoperative Pain Management recommendations. *Eur J Anaesthesiol.* 2022 Sep 1;39(9):743-757. doi: 10.1097/EJA.0000000000001691. Epub 2022 Jul 20. PMID: 35852550.
14. Ludwig K, Wexelman B, Chen S, Cheng G, DeSnyder S, Golesorkhi N, Greenup R, James T, Lee B, Pockaj B, Vuong B, Fluharty S, Fuentes E, Rao R; American Society of Breast Surgeons Patient Safety Quality Committee. Home Recovery After Mastectomy: Review of Literature and Strategies for Implementation American Society of Breast Surgeons Working Group. *Ann Surg Oncol.* 2022 Sep;29(9):5799-5808. doi: 10.1245/s10434-022-11799-4. Epub 2022 May 3. PMID: 35503389.
15. Malinzak EB, Byerly SI. Burnout from Gender Inequity in a Pandemic. *Anesthesiol Clin.* 2022 Jun;40(2):225-234. doi: 10.1016/j.anclin.2021.12.001. Epub 2022 May 4. PMID: 35659396; PMCID: PMC9701551.
16. Maloney J, Wie C, Pew S, Covington S, Maita M, Kozinn R, Sabin M, Freeman J, Kraus M, Strand N. Post-thoracotomy Pain Syndrome. *Curr Pain Headache Rep.* 2022 Sep;26(9):677-681. doi: 10.1007/s11916-022-01069-z. Epub 2022 Jul 11. PMID: 35816220.

17. Nelson DB, Ogunkua O, Cunningham FG. Point-of-Care Viscoelastic Tests in the Management of Obstetric Hemorrhage. *Obstet Gynecol.* 2022;139(3):463-72. doi: 10.1097/aog.0000000000004686. PubMed PMID: 35115430.
18. Oh MW, Chen JL, Moon TS. Patients with sleep-disordered breathing for bariatric surgery. *Saudi J Anaesth.* 2022;16(3):299-305. Epub 20220620. doi: 10.4103/sja.sja_300_22. PubMed PMID: 35898522; PubMed Central PMCID: PMC9311179.
19. Oh MW, Valencia J, Moon TS. Anesthetic Considerations for the Trauma Patient with Obesity. *Current Anesthesiology Reports.* 2022;12(2):200-9. doi: 10.1007/s40140-021-00508-8.
20. Pai SL, Grech D, Gayer S, Rodriguez L, Joshi GP, Rajan N. Should rocuronium and sugammadex replace succinylcholine for airway emergencies in class B ambulatory anesthesia settings? A systematic review. *Minerva Anesthesiol.* 2022 Nov 3. doi: 10.23736/S0375-9393.22.16852-5. Epub ahead of print. PMID: 36326774.
21. Rosero EB, Rajan N, Joshi GP. Pro-Con Debate: Are Patients With a Cardiovascular Implantable Electronic Device Suitable to Receive Care in a Free-Standing Ambulatory Surgery Center? *Anesth Analg.* 2022;134(5):919-25. doi: 10.1213/ane.0000000000005776. PubMed PMID: 35427265.
22. Sanford EL, Saynhalath R, Efune PN. SARS-CoV-2 and paediatric anaesthesia: similar risk to classic viral upper respiratory tract infection, but still more to learn. *Anaesthesia.* 2022. Epub 20221006. doi: 10.1111/anae.15886. PubMed PMID: 36203345
23. Schoenbrunner AR, Joshi GP, Janis JE. Multimodal Analgesia in the Aesthetic Plastic Surgery: Concepts and Strategies. *Plast Reconstr Surg Glob Open.* 2022;10(5):e4310. Epub 20220511. doi: 10.1097/GOX.0000000000004310. PubMed PMID: 35572190; PubMed Central PMCID: PMC9094416.
24. Sebastian R, Ullah S, Motta P, Das B, Zabala L. Anesthetic Considerations in Pediatric Patients With Acute Decompensated Heart Failure. *Semin Cardiothorac Vasc Anesth.* 2022;26(1):41-53. Epub 20211103. doi: 10.1177/10892532211044977. PubMed PMID: 34730043.
25. Tannenbaum S, Greilich PE. The Debrief Imperative: Building Teaming Competencies and Team Effectiveness. *British Medical Journal Quality and Safety* 2022 Nov 2;bmjqs-2022-015259. doi: 10.1136/bmjqs-2022-015259. Epub ahead of print. PMID: 36323510.
26. Thota B, Jan KM, Oh MW, Moon TS. Airway management in patients with obesity. *Saudi J Anaesth.* 2022 Jan-Mar;16(1):76-81. doi: 10.4103/sja.sja_351_21. Epub 2022 Jan 4. PMID: 35261593; PMCID: PMC8846257.

27. Wanat-Hawthorne A, Akorede R, Floyd T. Perioperative Spinal Cord Ischemia After Cardiac Surgery Not Involving the Aorta: A Review of the Literature. *J Cardiothorac Vasc Anesth*. 2022 Mar;36(3):776-784. doi: 10.1053/j.jvca.2020.12.027. Epub 2020 Dec 21. PMID: 33451953.
28. Webster KLW, Keebler JR, Lazzara EH, Chaparro A, Greilich P, Fagerlund A. Handoffs and Teamwork: A Framework for Care Transition Communication. *Jt Comm J Qual Patient Saf*. 2022;48(6-7):343-53. Epub 20220410. doi: 10.1016/j.jcjq.2022.04.001. PubMed PMID: 35715018.
29. Yalamuru B, Weisbein J, Pearson ACS, Kandil ES. Minimally-invasive pain management techniques in palliative care. *Ann Palliat Med*. 2022;11(2):947-57. Epub 20210816. doi: 10.21037/apm-20-2386. PubMed PMID: 34412500.

Clinical Practice Guidelines/Quality Improvement Consensus Statements

1. Brown JR, Baker RA, Shore-Lesserson L, Fox AA, Mongero LB, Lobdell KW, LeMaire SA, De Somer FMJJ, Wyler von Ballmoos M, Barodka V, Arora RC, Firestone S, Solomon R, Parikh CR, Shann KG, Hammon J. The Society of Thoracic Surgeons/Society of Cardiovascular Anesthesiologists/American Society of Extracorporeal Technology Clinical Practice Guidelines for the Prevention of Adult Cardiac Surgery-Associated Acute Kidney Injury. *Ann Thorac Surg*. 2023 Jan;115(1):34-42. doi: 10.1016/j.athoracsur.2022.06.054. Epub 2022 Dec 20. PMID: 36549802.
2. Brown JR, Baker RA, Shore-Lesserson L, Fox AA, Mongero LB, Lobdell KW, LeMaire SA, De Somer FMJJ, Wyler von Ballmoos M, Barodka V, Arora RC, Firestone S, Solomon R, Parikh CR, Shann KG, Hammon J. The Society of Thoracic Surgeons/Society of Cardiovascular Anesthesiologists/American Society for Extracorporeal Technology Clinical Practice Guidelines for the Prevention of Adult Cardiac Surgery-Associated Acute Kidney Injury. *Anesth Analg*. 2023 Jan 1;136(1):176-184. doi: 10.1213/ANE.0000000000006286. Epub 2022 Dec 15. PMID: 36534719.
3. Feray S, Lubach J, Joshi GP, Bonnet F, Van de Velde M; PROSPECT Working Group *of the European Society of Regional Anaesthesia and Pain Therapy. PROSPECT guidelines for video-assisted thoracoscopic surgery: a systematic review and procedure-specific postoperative pain management recommendations. *Anaesthesia*. 2022 Mar;77(3):311-325. doi: 10.1111/anae.15609. Epub 2021 Nov 5. PMID: 34739134; PMCID: PMC9297998.
4. Peng K, McIlroy DR, Bollen BA, Billings FTt, Zarbock A, Popescu WM, *et al*. Society of Cardiovascular Anesthesiologists Clinical Practice Update for Management of Acute Kidney Injury Associated With Cardiac Surgery. *Anesth Analg*. 2022;135(4):744-56. Epub 20220512. doi: 10.1213/ane.0000000000006068. PubMed PMID: 35544772.
5. Sahai SK, Balonov K, Bentov N, Bierle DMM, Browning LM, Cummings KC 3rd, Dougan BM, Maxwell M, Merli GJ, Oprea AD, Sweitzer B, Mauck KF, Urman RD. Preoperative Management of Cardiovascular Medications: A Society for Perioperative Assessment and Quality Improvement (SPAQI) Consensus

Statement. Mayo Clin Proc. 2022 Sep;97(9):1734-1751. doi: 10.1016/j.mayocp.2022.03.039. PMID: 36058586.

6. Stenberg E, Dos Reis Falcão LF, O'Kane M, Liem R, Pournaras DJ, Salminen P, Urman RD, Wadhwa A, Gustafsson UO, Thorell A. Correction to: Guidelines for Perioperative Care in Bariatric Surgery: Enhanced Recovery After Surgery (ERAS) Society Recommendations: A 2021 Update. World J Surg. 2022 Apr;46(4):752. doi: 10.1007/s00268-022-06459-3. Erratum for: World J Surg. 2022 Apr;46(4):729-751. PMID: 35094162; PMCID: PMC9172861.

Editorial Views

1. Burcham HW, Ogunkua OT. Unintentional dural puncture: Looking into the future. J Clin Anesth. 2022 Nov 29;85:111031. doi: 10.1016/j.jclinane.2022.111031. Epub ahead of print. PMID: 36459803.
2. Nasr VG, Zabala L, Twite M. Expertise in Pediatric Cardiac Anesthesia Begins With Well-Designed Training Programs. J Cardiothorac Vasc Anesth. 2022 Mar;36(3):654-656. doi: 10.1053/j.jvca.2021.09.025. Epub 2021 Sep 20. PMID: 34607761.
3. Ogunkua OT, Okoro EN, Smith MN, Trousdale DM, Byerly SI, Steiner JW. Can financial literacy be a solution for physician burnout? J Clin Anesth. 2022;77:110594. Epub 20211116. doi: 10.1016/j.jclinane.2021.110594. PubMed PMID: 34798432.
4. Pursell N, Trousdale D, Azizad O. Patient-Initiated Sexual Harassment-Reflections From My Intern Year. Anesth Analg. 2022;135(1):213-5. Epub 20220616. doi: 10.1213/ane.0000000000006000. PubMed PMID: 35709449.
5. Sherrer DM, Franklin AD, Kimatian SJ, Black IH, Tsai MH. The Icarus Paradox and the Future of Anesthesiology. Anesth Analg. 2023 Jan 1;136(1):185-189. doi: 10.1213/ANE.0000000000006253. Epub 2022 Dec 15. PMID: 36534720.
6. Tannenbaum SI, Greilich PE. The debrief imperative: building teaming competencies and team effectiveness. BMJ Qual Saf. 2022 Nov 2;bmjqs-2022-015259. doi: 10.1136/bmjqs-2022-015259. Epub ahead of print. PMID: 36323510.
7. Wang T, Pool AH, Oka Y. Serotonergic fast lane from taste detection to preparatory digestive actions. Neuron. 2022;110(6):907-9. doi: 10.1016/j.neuron.2022.02.023. PubMed PMID: 35298914.

Letters to the Editor/Journal Communications

1. Abraham J, Rosen M, Greulich PE. Call for Papers: Special Issue on Perioperative Handoff Safety and Quality. *Jt Comm J Qual Patient Saf.* 2022;48(6-7):362-3. Epub 20220412. doi: 10.1016/j.jcjq.2022.04.003. PubMed PMID: 35534421.
2. Liu KA, Ezri T, Szmuk P. Response to "Anesthesia for children with anterior mediastinal masses". *Paediatr Anaesth.* 2022;32(6):784-5. Epub 20220328. doi: 10.1111/pan.14444. PubMed PMID: 35347813.
3. Matchett G, Azizad O, Bravenec BJ, Farrell BG, Nasir D. Ketamine for emergency endotracheal intubation: insights into post-induction hemodynamic instability. Author's reply. *Intensive Care Med.* 2022;48(6):779-80. Epub 20220331. doi: 10.1007/s00134-022-06692-3. PubMed PMID: 35355098.
4. Matchett G, Gasanova I, Riccio CA, Sunna MC, Ogunnaike BO. Anesthetic drugs for rapid sequence intubation: ketamine, but what dose? Author's reply. *Intensive Care Med.* 2022;48(5):634-5. Epub 20220317. doi: 10.1007/s00134-022-06671-8. PubMed PMID: 35301549.
5. Rosero EB, Rajan N, Joshi GP. In Response. *Anesth Analg.* 2022;135(3):e18-e9. Epub 20220817. doi: 10.1213/ane.0000000000006136. PubMed PMID: 35977375.
6. Webster KLW, Keebler JR, Chaparro A, Greulich P, Fagerlund A, Lazzara EH. Erratum to "Handoffs & Teamwork: A Framework for Care Transition Communication" [The Joint Commission Journal on Quality and Patient Safety volume 48 June/July (2022) 343-353]. *Jt Comm J Qual Patient Saf.* 2023 Jan;49(1):64. doi:10.1016/j.jcjq.2022.07.002. Epub 2022 Jul 25. Erratum for: *Jt Comm J Qual Patient Saf.* 2022 Jun-Jul;48(6-7):343-353. PMID: 35977880.
7. Zhong JW, Ezri T, Dukhan A, Szmuk P. Continuous Positive Airway Pressure as a Tool of Perioperative Management of Patients with Sleep Disorders. *Anesth Analg.* 2022;134(4):e18-e20. doi: 10.1213/ANE.0000000000005902. PubMed PMID: 35299220.

Book Chapters

1. Gabor BR, Gabor JR, Mohammad JT, Noe CE. Cervical Epidural Lysis of Adhesions. *Complications of Pain-Relieving Procedures: An Illustrated Guide.* 158-166. Erdine S, Staats PS (eds). 2022.
2. Gabor BR, Gabor JR, Mohammad T, Noe CE. Complications of Caudal Epidural Lysis of Adhesions. *Complications of Pain-Relieving Procedures: An Illustrated Guide.* 331-338. Erdine S, Staats PS (eds). 2022
3. Goff K, Ambardekar AP, Deutsch ES. Optimizing Education with In Situ Simulation. *Defining Excellence in Simulation Programs.* Maxworthy J, Epps C, Okuda Y, Mancini B, and Palaganas JC (eds). Wolters Kluwer, 2022. ISBN: 9781975146504

4. Machi A, Kandil E. Epidural Catheter Infusion for Post-Operative Analgesia for Major Spine Surgery. Multidisciplinary Spine Care. 1st edition. Edited by Noe C. Switzerland, Springer International Publishing. 2022. 723-30. ISBN 9783031049897
5. Romito BT, Romito JW, Abuchowski A. Sanguinate: History and Clinical Evaluation of a Multimodal HBOCs (Part IV, Chapter 33), Blood Substitutes and Oxygen Biotherapeutics. Edited by Liu H, Kaye AD, Jahr JS. Cham, Switzerland, Springer, 2022, pp 335-344. ISBN13 9783030959746. doi: 10.1007/978-3-030-95975-3_33.
6. Romito JW, Glaser K, Newton F, Ray B. Progressive Headache with New Onset Ptosis (Section 13, Case Study 13.6), Pitfalls in the Diagnosis of Neurological Disorders. Edited by Chakravarty A. New Delhi, India, Jaypee Brothers Medical Publishers (P) Ltd, 2022, pp 638-641. ISBN13 9789354656668.
7. Romito JW, Romito, BT. ICU Care for the Spine Patient (Chapter 16), Multidisciplinary Spine Care. Edited by Noe CE. Cham, Switzerland, Springer, 2022, pp 381-398. ISBN 9783031049897. doi: 10.1007/978-3-031-04990-3_16

Newsletter Publication

1. Jones J, Machi A, Potru S, Lunden N. Literature review - May 2022. ASRA Pain Medicine News 2022;47. <https://doi.org/10.52211/asra050122.025>
2. Machi A. Interview with a leader in the field: Ban Tsui – 2022 Distinguished Service Award recipient. ASRA Pain Medicine News 2022;47. <https://doi.org/10.52211/asra080122.030>
3. Machi A. Interview with a leader in the field: Brian Ilfeld – the 2022 Labat Award recipient. ASRA Pain Medicine News 2022;47. <https://doi.org/10.52211/asra080122.029>
4. Machi A. Interview with a leader in the field: Jose De Andrés - 2022 John J. Bonica Award recipient. ASRA Pain Medicine News 2022;47. <https://doi.org/10.52211/asra110122.042>
5. Machi A. Interview with a leader in the field: Steve Oregough, MD. ASRA Pain Medicine News 2022;47. <https://doi.org/10.52211/asra110122.043>
6. Machi A. Literature review - February 2022. ASRA Pain Medicine News 2022;47. <https://doi.org/10.52211/asra020122.012>.
7. Machi A. Literature review - November 2022. ASRA Pain Medicine News 2022;47. <https://doi.org/10.52211/asra110122.053>
8. Woods AP, McAllister RK. On the Shoulders of Giants – Legends in Texas Anesthesiology Series, Michael A. E. Ramsay, MD, FRCA: From London to Dallas. Texas Society of Anesthesiologists Newsletter. 2022; 34(2).

9. Karamchandani K, "Airway management in critically ill patients". Published in "Critical Connections" Fall 2022 edition, the official newsletter of the Society of Critical Care Medicine.

Edited Book

1. Litman RS and Ambardekar AP. Litman's Basics of Pediatric Anesthesia. 3rd Edition. Elsevier; 2022. ISBN 978-0323829021
2. Multidisciplinary Spine Care – Carl Noe ed. Springer 2022