Peer-reviewed

Woods K, Hayanga JWA, Cannon J, Lemons W, Philips M, Schmidt A, Boh R, Noor K, Fornaresio L, Thibault D, Martin P, Wilson A, Hayanga HK. Staffing in a Level 1 trauma center: quantifying capacity for preparedness. Disaster Med Public Health Prep. (accepted for publication)

Woods K, Minc SD, Thibault D, Lambert J, Jalil A, Marone L, Ellison M, Hayanga JWA, Hayanga HK. Anesthetic choice for arteriovenous access creation: a National Anesthesia Clinical Outcomes Registry analysis. J Vasc Access. (accepted for publication)

Hayanga HK, Woods KE, Thibault DP, Ellison MB, Boh RN, Raybuck BD, Sengupta PP, Badhwar V, Hayanga JWA. Anesthetic management for transcatheter aortic valve replacement: a National Anesthesia Clinical Outcomes Registry analysis. Annals of Cardiac Anaesthesia. (accepted for publication)

Lambert J, Hayanga JWA, Turley S, McCarthy P, Salman M, Kabulski G, Henrickson R. Cook C, Hayanga HK. Successful treatment of intravenous drug abuser with refractory vasoplegic syndrome after mitral valve repair for infective endocarditis. SAGE Open Med Case Rep. June 2021 (accepted for publication)

Dhamija A, Kakuturu J, Schauble D, Hayanga HK, Jacobs JP, Badhwar V, Hayanga JWA. Outcome and cost of nurse-led versus perfusionist-led extracorporeal membrane oxygenation. Ann Thorac Surg. May 2021. PMID: 34043952 (online ahead of print)

McGuire JA, Hayanga HK, Hayanga JW, Sloyer D, Ellison M, Wei L, Rankin JS, Badhwar V. Quadricuspid aortic valve repair facilitated by geometric ring annuloplasty. Innovations. Apr 2021. PMID: 33877922 (online ahead of print)

Dhamija A, Thibault D, Fugett J, Hayanga HK, McCarthy P, Badhwar V, Hayanga JWA. Incremental effect of complications on mortality and hospital costs in adult ECMO patients. Perfusion. Mar 2021. PMID: 33765884 (online ahead of print)

McGuire JA, McCarthy P, Herron R, Hayanga JWA, Nandwani V, Fugett J, Hayanga HK. Extracorporeal life support for massive hemoptysis and acute lung injury due to ANCA-negative vasculitis. J Anaesth Crit Care Case Rep. Jan-Apr 2021; 7(1): 4-7. DOI: 10.13107/jaccr.2021.v07i01.165

Cannon J, Hayanga JWA, Drvar TB, Ellison M, Cook C, Salman M, Roberts H, Badhwar V, Hayanga HK. A 34-year-old male intravenous drug user with a third episode of tricuspid valve endocarditis treated with repeat valve surgery. Am J Case Rep. Mar 2021; 22: e927385. PMID: 33776054

Dada R, Hayanga JWA, Woods K, Schwartzman D, Thibault D, Ellison M, Schmidt S, Siddoway D, Badhwar V, Hayanga HK. Anesthetic choice for atrial fibrillation ablation: a National Anesthesia Clinical Outcomes Registry analysis. J Cardiothorac Vasc Anesth. Jan 2021. PMID: 33518460 (online ahead of print)

Woods KE, Hayanga JWA, Sloyer D, Henrickson R, Wei LM, Hayanga HK. Coronary artery bypass grafting in a patient with dextrocardia with situs inversus. Case Rep Anesthesiol. Dec 2020: 8885881. PMID: 33414968

Boyle A, Dotson S, Ellison P, Hayanga HK. Application of the principles of biomedical ethics to the labor and delivery unit during the COVID-19 pandemic. J Womens Health. Nov 2020; 29(11): 1361-1371. PMID: 33196330

Minc SD, Hayanga HK, Thibault D, Woods K, Marone L, Badhwar V, Hayanga JWA. Vascular complications increase hospital charges and mortality in adult patients on extracorporeal membrane oxygenation in the United States. J Thorac Cardiovasc Surg. Sep 2020. PMID: 32977018 (online ahead of print)

Vanek TW, Hayanga J, Ellison M, Puette J, Wei L, Hayanga HK. Aortic cannulation around grade 5 aortic arch atheroma utilizing transesophageal echocardiography. Case Rep Anesthesiol. Nov 2020: 8820948. PMID: 33204539

Hayanga JWA, Hayanga HK, Dhamija A, Fugett J, Cook C, Powell D, McCarthy P, Olfert M, Badhwar V, Toker A. Extracorporeal support to treat E-cigarette or vaping product use-associated lung injury (EVALI) during the coronavirus disease (COVID-19) pandemic. JTCVS Tech. Sep 2020; 3: 381-384. PMID: 32995757

Ellison MB, Statler A, Henrickson RE, Graff J, Sloyer D, Khan MAA, Hayanga HK, Ellison PR. Iatrogenic superior vena cava syndrome after cardiopulmonary bypass diagnosed by intraoperative echocardiography. Case Rep Anesthesiolog. Aug 2020: 8813065. PMID: 32908711

Hayanga JWA, Hayanga HK, Fugett JH, Musgrove KA, Abbas G, Ensor CR, Badhwar V, Shigemura N. Contemporary look at extracorporeal membrane oxygenation as a bridge to reoperative lung transplantation in the United States – a retrospective study. Transpl Int. Aug 2020; 33(8): 895-901. PMID: 32299135

Subramaniam K, Sciortino C, Althouse A, Monroe A, Sharbaugh M, Esper S, Boisen M, Marquez J, Hayanga H, Badhwar V. Remifentanil and perioperative glycaemic response in cardiac surgery: an open-label, randomised trial. Br J Anaesth. Jun 2020; 124(6): 684-692. PMID: 32247539

Hayanga JWA, Chan EG, Musgrove K, Leung A, Shigemura N, Hayanga HK. Extracorporeal membrane oxygenation in the perioperative care of the lung transplant patient. Semin Cardiothorac Vasc Anesth. Mar 2020; 24(1): 45-53. PMID: 31893982

Hayanga JWA, Aboagye J, Bush E, Canner J, Hayanga HK, Klingbeil A, McCarthy P, Fugett J, Abbas G, Badhwar V. Contemporary analysis of charges and mortality in the use of extracorporeal membrane oxygenation: a cautionary tale. JTCVS Open. Mar 2020; 1(C ): 61-70.

Book chapters

McIsaac J, Mark N., Hayanga HK. Austere environment and disaster preparedness. In Hagberg & Benumof’s airway management 5e. Elsevier Publications (accepted for publication)

Hayanga HK, Hayanga JWA, McGuire J, Badhwar V. Anesthetic management for surgical myectomy in hypertrophic cardiomyopathy. In Hypertrophic cardiomyopathy: a practical guide for diagnosis and management. Taylor and Francis Publications. Nov 2020.

Dunn LK, Taylor DG, Fang S, Yerra S, Buell TJ, Chen CJ, Tsang S, Spangler SN, Smith JS, Shaffrey CI, **Nemergut EC**, Durieux ME, Naik BI. “Post-operative low-dose TXA after major spine surgery: A matched cohort analysis” *Neurospine* (in press)

Sun H, Chen D, Warner DO, Zhou Y, **Nemergut EC**, Macario A, Keegan MT.  “Anesthesiology Residents’ Experiences and Perspectives of Residency Training” *Anesthesia & Analgesia* 2021;132(4):1120-1128.

Gui J, **Nemergut EC**, Forkin KT. “Distraction in the Operating Room: A Review of Environmental and Self-initiated Distractions and Their Effect on Anesthesia Providers” *Journal Clinical Anesthesia* 2021; 68: 110110.

Forkin KT, Dunn LK, Kotha N, Bechtel AJ, Kleiman AM, Huffmyer JL, Collins SR, Lyons GR, Ma JZ, **Nemergut EC.** “Influence of Age and Sex on Patient Perceptions of Anesthesiologists” *Anesthesiology* 2021; 134: 103-110.

Walker CT, Kim HJ, Park P, Lenke LG Smith JS, **Nemergut EC**, Sciubba D, Wang MY, Shaffrey CI, Deviren V, Mummaneni PV, Turner JD, Than KD, Crespi T, Berjano P, Eastlack RK,  Mundis GM, Kanter AS, Okonkow DO, Shin JH, Koski T, Hoh D, Glassman SD, Daniels AH, Clavijo C, McLawhorn M, Uribe JS. “Neuroanesthesia Guidelines for Optimizing Transcranial Motor Evoked Potentials Neuromonitoring during Deformity and Complex Spinal Surgery: A Delphi Consensus Study” *Spine* (Phila Pa 1976). 2020; 45(13): 911-920

Salajegheh R, **Nemergut EC**, Rice T, Joseph R, Tsang S, Sarosiek B, Muthusubramanian P, Hipwell K, Horton K, Naik BI.  “Impact of A Perioperative Oral Opioid Substitution Protocol During The Nationwide Intravenous Opioid Shortage: A Single Center, Interrupted Time Series with Segmented Regression Analysis.”  *PLoS ONE* 15 (6): e0234199

Forkin KT, Chiao SS, Naik BI, Patrie JT, Durieux ME, **Nemergut EC.** “Individualized Quality Data Feedback Improves Anesthesiology Residents’ Documentation of Depth of Neuromuscular Blockade Prior to Extubation”  *Anesthesia & Analgesia* 2020; 130(3): e49-e53.

Dunn, LK, Thiele, RH, Shaffrey, CI, Shaffrey, ME, Smith, JS, Tsang, S, Durieux, ME, **Nemergut, EC**, Naik, BI. “The Impact of Alvimopan on Return of Bowel Function After Major Spine Surgery-A Prospective, Randomized, Double Blind Study” *Neurosurgery* 2019 Aug 1;85(2):E233-E239.

Huffmyer, JL, Kleiman, AM, Moncrief, M, Scalzo, DC, Cox, DJ, **Nemergut, EC.** “The Impact of Caffeine Ingestion on the Driving Performance of Anesthesiology Residents after Six Consecutive Overnight Work Shifts” *Anesthesia & Analgesia* 2020;130(1):66-75.

Dunn LK, Taylor DG, Chen CJ, Singla P, Fernández L, Wiedle CH, Hanak MF, Tsang S, Smith JS, Shaffrey CI, **Nemergut EC**, Durieux ME, Blank RS, Naik BI. “Ventilator Mode Does Not Influence Blood Loss or Transfusion Requirements During Major Spine Surgery: A Retrospective Study” *Anesthesia & Analgesia* 2020;130(1):100-110.

Crain MA, Bush AL, Hayanga H, Boyle A, Unger M, Ellison M, Ellison P. Healthcare Leadership in the COVID-19 Pandemic: From Innovative Preparation to Evolutionary Transformation. *J Healthc Leadersh*. 2021;13:199-207  
https://doi.org/10.2147/JHL.S319829

1. PMID: 31801377

How Pediatric Anesthesiologists Manage Children with OSA Undergoing Tonsillectomy.

Roberts C, Al Sayegh R, Ellison PR, Sedeek K, Carr MM.Ann Otol Rhinol Laryngol. 2020 Jan;129(1):55-62. doi: 10.1177/0003489419874371. Epub 2019 Sep 5.PMID: 31801377 Free PMC article.

2. PMID: 33196330

Application of the Principles of Biomedical Ethics to the Labor and Delivery Unit During the COVID-19 Pandemic.

Boyle A, Dotson S, Ellison P, Hayanga H.J Womens Health (Larchmt). 2020 Nov;29(11):1361-1371. doi: 10.1089/jwh.2020.8812.PMID: 33196330

3. PMID: 32908711

Iatrogenic Superior Vena Cava Syndrome after Cardiopulmonary Bypass Diagnosed by Intraoperative Echocardiography.

Ellison MB, Statler A, Henrickson RE, Graff J, Sloyer D, Abbas Khan MA, Hayanga HK, Ellison PR.Case Rep Anesthesiol. 2020 Aug 18;2020:8813065. doi: 10.1155/2020/8813065. eCollection 2020.PMID: 32908711 Free PMC article.

4. PMID: 31743117

A Novel Approach to Postoperative Ear Pain-Greater Auricular Nerve Block Catheter: A Case Report.

Ellison MB, Howell S, Heiraty P, Wilson C, Shepherd J, Ellison PR.A A Pract. 2020 Jan 1;14(1):21-24. doi: 10.1213/XAA.0000000000001134.PMID: 31743117 Free PMC article.

5. PMID: 33123385

Corrigendum to "Iatrogenic Superior Vena Cava Syndrome after Cardiopulmonary Bypass Diagnosed by Intraoperative Echocardiography".

Ellison MB, Statler A, Henrickson RE, Graff J, Sloyer D, Khan MAA, Hayanga HK, Ellison PR.Case Rep Anesthesiol. 2020 Oct 13;2020:8179176. doi: 10.1155/2020/8179176. eCollection 2020.PMID: 33123385 Free PMC article.

6. PMID: 34249560

Clinical Impact of Sugammadex in the Reversal of Neuromuscular Blockade.

Goodner JA, Likar EJ, Hoff AL, Quedado JM, Kohli A, Ellison P.Cureus. 2021 Jun 3;13(6):e15413. doi: 10.7759/cureus.15413. eCollection 2021 Jun.PMID: 34249560 Free PMC article.

7. PMID: 33824845

Incidence, Prevalence, and Outcomes of Pediatric Trauma in Rural Appalachia (West Virginia) From 2017 to 2019.

Ellison P, Cifarelli D, Pearce A, Moore L, Parrish D, Ellison M, Fazi A, Vanek T, Meltzer H, Knight J.Cureus. 2021 Apr 1;13(4):e14245. doi: 10.7759/cureus.14245.PMID: 33824845 Free PMC article.

8. PMID: 33585148

Will Protective Innovations Like the "Airway Box" Become Routine Practice After the Pandemic?: An Opinion Survey.

Ellison P, Nanners B, Schaefer G, Krueger A, Dhumak V, Shepherd JL, Nguyen K, Allen K, Ellison M.Cureus. 2021 Feb 10;13(2):e13258. doi: 10.7759/cureus.13258.PMID: 33585148 Free PMC article.

9. PMID: 33687737

A survey of the global impact of COVID-19 on the practice of pediatric anesthesia: A study from the pediatric anesthesia COVID-19 Collaborative Group.

Soneru CN, Fernandez AM, Bradford V, Staffa SJ, Raman VT, Cravero J, Zurakowski D, Meier PM; Pediatric Anesthesia COVID-19 Collaborative.Paediatr Anaesth. 2021 Jun;31(6):720-729. doi: 10.1111/pan.14174. Epub 2021 May 3.PMID: 33687737 Free PMC article.

Remove from clipboard

Pacemaker.

Puette JA, Malek R, Ellison MB.2021 Jan 6. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2021 Jan–.PMID: 30252257 Free Books & Documents. Review.

Intraoperative Echocardiography.

Ellison MB, Goldstein S, Anjum F, Grose BW.2021 Jun 4. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2021 Jan–.PMID: 29763138 Free Books & Documents. Review.

Right Ventricular Hypertrophy.

Bhattacharya PT, Ellison MB.2021 Aug 7. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2021 Jan–.PMID: 29763051 Free Books & Documents. Review.

Iatrogenic Superior Vena Cava Syndrome after Cardiopulmonary Bypass Diagnosed by Intraoperative Echocardiography.

Ellison MB, Statler A, Henrickson RE, Graff J, Sloyer D, Abbas Khan MA, Hayanga HK, Ellison PR.Case Rep Anesthesiol. 2020 Aug 18;2020:8813065. doi: 10.1155/2020/8813065. eCollection 2020.PMID: 32908711 Free PMC article.

A Novel Approach to Postoperative Ear Pain-Greater Auricular Nerve Block Catheter: A Case Report.

Ellison MB, Howell S, Heiraty P, Wilson C, Shepherd J, Ellison PR.A A Pract. 2020 Jan 1;14(1):21-24. doi: 10.1213/XAA.0000000000001134.PMID: 31743117 Free PMC article.

Corrigendum to "Iatrogenic Superior Vena Cava Syndrome after Cardiopulmonary Bypass Diagnosed by Intraoperative Echocardiography".

Ellison MB, Statler A, Henrickson RE, Graff J, Sloyer D, Khan MAA, Hayanga HK, Ellison PR.Case Rep Anesthesiol. 2020 Oct 13;2020:8179176. doi: 10.1155/2020/8179176. eCollection 2020.PMID: 33123385 Free PMC article.

Patients should be extubated in the operating room after routine cardiac surgery: An inconvenient truth.

Hayanga HK, Ellison MB, Badhwar V.JTCVS Tech. 2021 Apr 24;8:95-99. doi: 10.1016/j.xjtc.2021.03.038. eCollection 2021 Aug.PMID: 34401825 Free PMC article. No abstract available.

Transesophageal echocardiography probe cover: implementation of a cross-contamination containment strategy during the COVID-19 pandemic.

Bozek JS, Hayanga HK, Sengupta P, Abbas Khan MA, Ellison MB.Braz J Anesthesiol. 2021 Mar-Apr;71(2):200-201. doi: 10.1016/j.bjane.2020.12.023. Epub 2021 Feb 19.PMID: 33623175 Free PMC article. No abstract available.

Unexpected Evolution After Multivessel Coronary Artery Bypass Grafting in a Patient With Kawasaki Disease.

Victor S, McKillion KC, Puette JA, McKillion P, Ellison MB.Cureus. 2021 Jun 25;13(6):e15927. doi: 10.7759/cureus.15927. eCollection 2021 Jun.PMID: 34336430 Free PMC article.

Ultrasound-Guided Greater Auricular Nerve Block as Sole Anesthetic for Ear Surgery.

Ritchie MK, Wilson CA, Grose BW, Ranganathan P, Howell SM, Ellison MB.Clin Pract. 2016 May 23;6(2):856. doi: 10.4081/cp.2016.856. eCollection 2016 Apr 26.PMID: 27478586 Free PMC article.

A randomized control trial using intraoperative dexmedetomidine during Roux-en-Y gastric bypass surgery to reduce postoperative pain and narcotic use.

Ranganathan P, Ritchie MK, Ellison MB, Petrone A, Heiraty P, Tabone LE.Surg Obes Relat Dis. 2019 Apr;15(4):588-594. doi: 10.1016/j.soard.2019.01.021. Epub 2019 Jan 31.PMID: 30824336 Clinical Trial.

Authors Title Publication Volume Number Pages Year Publisher

Ranganathan, Pavithra; Ritchie, Michael K; Ellison, Matthew B; Petrone, Ashley; Heiraty, Payam; Tabone, Lawrence E; A randomized control trial using intraoperative dexmedetomidine during Roux-en-Y gastric bypass surgery to reduce postoperative pain and narcotic use Surgery for Obesity and Related Diseases 15 4 588-594 2019 Elsevier

Orser, Beverley A; Wilson, C Ruth; Rotstein, Alexandra J; Iglesias, Stuart J; Spain, Brian T; Ranganathan, Pavithra; MacDonald, William A; Ng, Victor; O’Leary, Susan; Lafontaine, Alika; Improving access to safe anesthetic care in rural and remote communities in affluent countries Anesthesia & Analgesia 129 1 294-300 2019 LWW

Wilson, C Ruth; Rotstein, Alexandra J; Iglesias, Stuart J; Spain, Brian T; Ranganathan, Pavithra; Ng, Victor; O’Leary, Susan; Lafontaine, Alika; Improving Access to Safe Anesthetic Care in Rural and Remote Communities in Affluent Countries 2019

Jalali, Ali; Lonsdale, Hannah; Zamora, Lillian V; Ahumada, Luis; Nguyen, Anh Thy H; Rehman, Mohamed; Fackler, James; Stricker, Paul A; Fernandez, Allison M; Abruzzese, Christopher; Machine learning applied to registry data: development of a patient-specific prediction model for blood transfusion requirements during craniofacial surgery using the pediatric craniofacial perioperative registry dataset Anesthesia & Analgesia 132 1 160-171 2020 Wolters Kluwer

Derderian, Courtney K; Derderian, Christopher A; Fernandez, Allison; Glover, Chris D; Goobie, Susan; Hansen, Jennifer K; King, Michael; Kugler, Jane; Lang, Shih‐Shan; Meier‐Haran, Petra; The Pediatric Craniofacial Collaborative Group (PCCG) Consensus Conference Methodology Pediatric Anesthesia 31 2 145-149 2021