

## **CURRICULUM VITAE**

### **Jesse Ehrenfeld MPH, MD**

**Adjunct Professor**  
**Department of Anesthesiology**  
**Department of Anesthesiology**

#### **OFFICE ADDRESS:**

9200 West Wisconsin Avenue

Milwaukee, WI 53226

#### **EDUCATION:**

1992 - 1996 Phillips Academy Andover, Andover, MA  
1996 - 2000 B.S., Haverford College, Haverford, Pennsylvania  
2000 - 2004 M.D., University of Chicago - Pritzker School of Medicine, Chicago, Illinois  
2008 - 2009 Masters of Public Health, Harvard University School of Public Health, Boston, Massachusetts  
2008 - Present Summer Program in Clinical Effectiveness, Harvard University School of Public Health, Boston, Massachusetts

#### **POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:**

06/2004 - 06/2005 Internship in Medicine, Department of Medicine, Massachusetts General Hospital, Boston, Massachusetts  
06/2005 - 08/2005 Research Fellowship in Anesthesia, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts  
08/2005 - 08/2008 Resident in Anesthesiology, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts  
08/2008 - 08/2010 Research Fellowship in Anesthesia Informatics, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts

#### **MILITARY SERVICE:**

04/07/2008 - 12/31/2018 Commander, U.S. Navy Medical Corps

#### **FACULTY APPOINTMENTS:**

2008 Instructor in Anesthesia, Department of Anesthesia, Critical Care and Pain Medicine, Harvard Medical School, Cambridge, MA  
2010 - 2012 Assistant Professor, Department of Anesthesiology, Vanderbilt University Medical School, Nashville, TN  
2010 Assistant Professor, Department of Anesthesia, Critical Care and Pain Medicine, Harvard Medical School, Cambridge, MA  
2010 - 2012 Assistant Professor, Department of Biomedical Informatics, Vanderbilt University Medical School, Nashville, TN  
2011 Visiting Researcher, Norwegian University of Science and Technology, Trondheim, NORWAY  
2011 - Present Faculty, The Public Square, Public Policy Strategy Institute, Washington, DC  
2012 - 2017 Associate Professor, Department of Anesthesiology, Vanderbilt University Medical School, Nashville, TN  
2012 - 2017 Associate Professor, Department of Surgery, Vanderbilt University Medical School, Nashville, TN  
2012 - 2017 Associate Professor, Department of Biomedical Informatics, Vanderbilt University Medical School, Nashville, TN  
2014 - 2017 Associate Professor, Department of Health Policy, Vanderbilt University Medical School, Nashville, TN

2015 - Present Adjunct Professor, Department of Surgery, Uniformed Services University, Bethesda, MD  
 2017 - 2019 Professor, Department of Anesthesiology, Vanderbilt University Medical School, Nashville, TN  
 2017 - 2019 Professor, Department of Surgery, Vanderbilt University Medical School, Nashville, TN  
 2017 - 2019 Professor, Department of Biomedical Informatics, Vanderbilt University Medical School, Nashville, TN  
 2017 - 2019 Professor, Department of Health Policy, Vanderbilt University Medical School, Nashville, TN  
 2018 - 2019 Joseph A. Johnson, Jr., Distinguished Leadership Professor, Department of Anesthesiology, Vanderbilt University School of Medicine, Nashville, TN  
 2019 - Present Adjunct Professor, Department of Anesthesiology, Vanderbilt University Medical School, Nashville, TN  
 2019 - Present Adjunct Professor, Department of Biomedical Informatics, Vanderbilt University Medical School, Nashville, TN  
 2019 - Present Adjunct Professor, Department of Health Policy, Vanderbilt University Medical School, Nashville, TN  
 2019 - Present Professor (with tenure), Department of Anesthesiology, Medical College of Wisconsin, Milwaukee, WI  
 2019 - Present Senior Associate Dean, Medical College of Wisconsin, Milwaukee, WI

**ADMINISTRATIVE APPOINTMENTS:**

2008 - 2010 Chair, LGBT Employee Resource Group, Massachusetts General Hospital, Boston, MA  
 2009 - 2010 Director, Anesthesia Clinical Research Center, Massachusetts General Hospital, Boston, MA  
 2010 - 2014 Director, Center for Evidence-Based Anesthesia, Vanderbilt University Medical Center, Nashville, TN  
 2010 - 2015 Director, Vanderbilt Anesthesiology & Perioperative Informatics Research Division, Vanderbilt University Medical Center, Nashville, TN  
 2010 - 2019 Faculty, Vanderbilt Orthopedic Institute Center for Health Policy, Vanderbilt University Medical Center, Nashville, TN  
 2011 - 2019 Consultant to the Associate Dean of Diversity on LGBTQ issues, Vanderbilt University Medical Center, Nashville, TN  
 2011 - 2014 Chair, Perioperative Quality Improvement Committee, Vanderbilt University Medical Center, Nashville, TN  
 2011 - 2014 Medical Director, Perioperative Quality Improvement Committee, Vanderbilt University Medical Center, Nashville, TN  
 2011 - 2012 Administrative Department Head, Operational Health Support Unit, Detachment J, Camp Lejeune, Jacksonville, NC  
 2012 - 2014 Assistant Officer-In-Charge (AOIC), Operational Health Support Unit, Detachment J, Camp LeJeune, Jacksonville, NC  
 2012 - 2019 Director, Vanderbilt Program in LGBTQ Health, Vanderbilt University Medical Center, Nashville, TN  
 2014 - 2015 Public Affairs Officer, NATO Role III Multinational Medical Unit, Kandahar, AFGHANISTAN  
 2014 - 2015 Chair, Department of Anesthesiology, NATO Role III Multinational Medical Unit, Kandahar, AFGHANISTAN  
 2014 - 2015 Continuing Medical Education Coordinator, NATO Role III Multinational Medical Unit, Kandahar, AFGHANISTAN  
 2015 - 2019 Associate Director, Vanderbilt Anesthesiology & Perioperative Informatics Research Division, Vanderbilt University Medical Center, Nashville, TN  
 2019 - Present Director, Advancing a Healthier Wisconsin Endowment, Medical College of Wisconsin, Milwaukee, WI  
 2019 - Present Senior Associate Dean, Medical College of Wisconsin, Milwaukee, WI  
 2020 - Present Executive Sponsor, LGBTQ+ Employee Resource Group, Medical College of Wisconsin, Milwaukee, WI

**EDUCATIONAL ADMINISTRATIVE APPOINTMENTS:**

2008 - 2010 Institutional Site Mentor, Albert Schweitzer Fellowship Program, Massachusetts General Hospital, Boston, MA  
 2009 - 2010 Director, Anesthesia Informatics Fellowship, Massachusetts General Hospital, Boston, MA  
 2010 - 2019 Faculty Affiliate Advisor, Gabbe College, Vanderbilt University School of Medicine, Nashville,

- TN
- 2010 - 2019 Director, Monthly Anesthesia Informatics Seminar, Vanderbilt University Medical Center, Nashville, TN
  - 2011 - 2019 Director, Monthly Anesthesia Informatics Journal Club, Vanderbilt University Medical Center, Nashville, TN
  - 2012 - 2019 Course Co-Director, Foundations of Healthcare Delivery, Vanderbilt University School of Medicine, Nashville, TN
  - 2012 - 2019 Course Director, Sex, Sexuality, and Sexual Health, Vanderbilt University School of Medicine, Nashville, TN
  - 2013 - 2019 Director, Graduate Certificate in LGBTQ Health, Vanderbilt University School of Medicine, Nashville, TN
  - 2015 - 2019 Director, Department of Anesthesiology, Professional Development Rotation, Vanderbilt University, Nashville, TN
  - 2016 - 2019 Director, Education Research, Vanderbilt University School of Medicine, Nashville, TN
  - 2019 - Present Chair, Research & Education Advisory Committee (REAC), Medical College of Wisconsin, Milwaukee, WI

**HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:**

- 2008 - 2010 Assistant in Anesthesia, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, MA
- 2010 Assistant Anesthetist, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, MA
- 2010 - 2019 Staff Anesthesiologist, Vanderbilt University Medical Center, Nashville, TN
- 2014 - 2015 Staff Anesthesiologist, NATO Role III Multinational Medical Unit, Kandahar, AFGHANISTAN
- 2019 - Present Staff Anesthesiologist, Department of Anesthesiology, Froedert Hospital, Milwaukee, WI

**MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:**

- 2001 - 2004 Association of American Medical Colleges (Organization of Student Representatives, Member)
- 2001 - 2004 American Medical Association (Medical Student Section, Delegate)
- 2001 - 2002 American Medical Association (University of Chicago, President)
- 2002 - Present American Medical Association (Anesthesiology Section Council Member)
- 2002 - 2003 American Medical Association (House of Delegates, Alternate Delegate)
- 2002 - 2003 American Medical Association (Medical Student Section Minority Issues Committee Chair)
- 2003 - 2004 American Medical Association (House of Delegates, Delegate)
- 2004 - 2008 American Medical Association (Resident and Fellow Section, Delegate)
- 2004 - Present Suffolk District Medical Society (Member)
- 2004 - 2008 American Society of Anesthesiologists (Resident Component, Delegate)
- 2005 - 2019 American Society of Anesthesiologists (House of Delegates, Delegate)
- 2005 - 2018 Massachusetts Medical Society (Committee on Young Physicians, Member)
- 2005 - 2007 American Medical Association (House of Delegates, Alternative Delegate)
- 2005 - Present Massachusetts Society of Anesthesiologists (Member)
- 2005 - Present International Anesthesia Research Society (Member)
- 2005 - 2008 Massachusetts Medical Society (Resident & Fellow Governing Council Member)
- 2005 - 2007 American Society of Anesthesiologists (Resident Component Governing Council Member)
- 2005 - 2007 Massachusetts Medical Society (Information Technology Committee Member)
- 2006 - Present American Society of Anesthesiologists (Standards and Practice Parameters Committee Member)
- 2006 - 2008 Massachusetts Medical Society (Annual Resident/Student Research Symposium, Coordinator)
- 2006 - 2015 Massachusetts Medical Society (Board of Trustees Member)
- 2006 - Present Society for Ambulatory Anesthesia (Member)
- 2006 - 2008 Society for Ambulatory Anesthesia (Committee on Resident Section, Member)
- 2006 - 2008 Massachusetts Society of Anesthesiologists (Committee on Resident Affairs, Chair)
- 2007 - 2008 Massachusetts Medical Society (Vital Signs Physician Editorial Board, Member)
- 2007 Massachusetts Society of Anesthesiologists (New England Anesthesia Resident Poster Session Committee, Member)
- 2007 - 2014 American Medical Association (House of Delegates, Delegate)
- 2007 - 2013 Doctors and Lawyers for Healthcare Reform (Board of Directors, Founding Member)

2008 - 2009 American Medical Association (Public Health Committee Member)  
2008 - 2009 American Medical Association (Resident and Fellow Section Governing Council, Member)  
2008 - 2009 Society for Ambulatory Anesthesia (Committee on Resident Section, Vice-Chair)  
2008 - 2009 Massachusetts Medical Society (Taskforce on Benevolence, Member)  
2008 - 2011 Suffolk District Medical Society (Secretary of the Society)  
2008 - 2009 American Medical Association (Annual Research Poster Symposium Committee Member)  
2008 - Present American Society of Anesthesiologists (Committee on Young Physicians, Member)  
2008 - 2013 Suffolk District Medical Society (Executive Committee Member)  
2008 - 2010 Massachusetts Medical Society (Committee on LGBT Matters, Chair)  
2008 - 2012 Massachusetts Society of Anesthesiologists (Public Education Committee, Member)  
2009 - 2012 Massachusetts Medical Society (Taskforce on House of Delegates Procedures, Member)  
2009 - 2015 Massachusetts Medical Society (Executive Committee Member)  
2009 - 2017 United States Critical Illness and Injury Trials Group (Member)  
2009 - 2014 American Medical Association (Specialty and Service Society, Rules Committee Member)  
2009 - 2010 Massachusetts Society of Anesthesiologists (Committee on Resident Affairs, Faculty Advisor)  
2009 - 2014 American Medical Association (Young Physician Section, Delegate)  
2009 - 2012 Massachusetts Medical Society (Vice Speaker of Society)  
2010 - 2012 Massachusetts Society of Anesthesiologists (Committee on Bylaws and Rules, Member)  
2010 - 2011 American Society of Anesthesiologists (Task Force on Guidelines for the Management of Postoperative Nausea and Vomiting, Member)  
2010 - Present Society for Technology in Anesthesia (Member)  
2010 - 2011 Massachusetts Society of Anesthesiologists (Vice President)  
2010 - 2012 American Society of Anesthesiologists (Ad Hoc Committee on Future Land Use, Member)  
2011 - 2013 Suffolk District Medical Society (Vice President of the Society)  
2011 - Present Society for Technology in Anesthesia (Chair, Abstract Review Committee)  
2011 - 2012 Massachusetts Society of Anesthesiologists (Ad Hoc Committee on Office Based Surgery, Member)  
2011 - 2014 American Medical Association (Young Physician Section Governing Council, Member)  
2011 - 2015 American Society of Anesthesiologists (Ad Hoc Committee on Anesthesia Information Management Systems, Member )  
2011 - 2015 Association of American Medical Colleges (LGBTI Liaison Group, Member)  
2011 - 2012 Massachusetts Society of Anesthesiologists (Governmental Affairs Committee, Member)  
2011 - 2013 American Society of Anesthesiologists (Abstract Review Subcommittee on Outcomes and Database Research, Member)  
2011 - 2014 American Medical Association (Introduction to the Practice of Medicine Advisory Council Member)  
2011 - 2014 American Medical Association (Specialty and Service Society, Rules Committee Chair)  
2012 - Present Association of University Anesthesiologists (Member)  
2012 - 2019 Tennessee Society of Anesthesiologists (Member)  
2012 - 2019 American Society of Anesthesiologists (Bylaws Committee Member)  
2012 - 2015 Massachusetts Medical Society (Speaker of the Society)  
2012 - Present Association of American Medical Colleges (Group on Diversity and Inclusion, Member)  
2012 - Present Society for Technology in Anesthesia (Chair, Annual Scientific Meeting)  
2013 - Present Healthy Tennessee (Board of Directors, Founding Member)  
2013 - 2019 American Society of Anesthesiologists (Scientific Advisory Committee Member)  
2013 - 2019 American Society of Anesthesiologists (Abstract Review Subcommittee on Outcomes and Database Research, Chair)  
2014 - 2016 American Medical Association (Board Liaison, Minority Affairs Section Governing Council)  
2014 - Present American Medical Association (Board of Trustees)  
2014 - 2015 American Medical Association (Board Liaison, American Medical Association Political Action Committee (AMPAC))  
2014 - 2018 American Medical Association (Awards and Nominations Committee Member)  
2015 - Present American Society of Anesthesiologists (Committee on the Anesthesia Care Team, Member)  
2015 - Present American Medical Association (Board Liaison, LGBTQ Advisory Committee)  
2016 - 2018 American Medical Association (Board Liaison, Council on Medical Education)  
2016 - 2018 West End Synagogue (Board of Directors)  
2016 - 2019 Southeast AIDS Education and Training Center (Steering Committee Member)

2016 - 2022 American Medical Association (Board Liaison, Young Physician Section)  
2017 - Present American Medical Association (Executive Committee, Board of Trustees)  
2017 - 2019 American Society of Anesthesiologists (Ad Hoc Committee on Augmenting Resident Education, Member)  
2018 - 2019 American Medical Association (Chair Elect, Board of Trustees)  
2019 - Present Wisconsin Society of Anesthesiologist (Member)  
2019 - 2020 American Medical Association (Chair, Board of Trustees)  
2020 Association of University Anesthesiologists (Co-Lead, Strategic Planning)  
2020 - 2021 American Medical Association (Immediate Past Chair, Board of Trustees)  
2022 - Present American Medical Association (President, Elect)

#### **EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:**

Editorship  
07/01/2013 - Present Journal of Medical Systems

#### **LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:**

2006 Pediatric Operating Room Performance Improvement Committee, Massachusetts General Hospital

#### **NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:**

06/01/2014 - Present Chair, Board of Trustees, American Medical Association

#### **MEDICAL LICENSURE AND CERTIFICATION:**

2003 - Present Emergency Medical Technician License (License #131262)  
2004 - Present Advanced Cardiac Life Support  
2007 - Present Neonatal Resuscitation Program  
2008 - Present Federal DEA Registration  
2008 - Present Full Medical License, State of Delaware (License # C1-0008697)  
2008 - Present Full Medical License, United States Navy Medicine Support Command  
2008 - Present Full Medical License, Commonwealth of Massachusetts (License #235285)  
2009 - Present Board Certification in Anesthesiology, American Board of Anesthesiology (Certificate #44560)  
2010 - Present Full Medical License, State of Tennessee (License #46274)  
2013 - Present Pediatric Advanced Life Support  
2013 - Present Board Certification in Clinical Informatics, American Board of Preventive Medicine (Certificate #70251)  
2013 - Present Advanced Trauma Life Support  
2019 - Present Full Medical License, State of Wisconsin (License #71677)

#### **VETERAN STATUS:**

2014 - Present Combat Veteran, Operation Enduring Freedom  
2015 - Present Combat Veteran, Resolute Support Mission

### **BIBLIOGRAPHY**

#### **Refereed Journal Publications/Original Papers**

1. Silverstein JC, Ehrenfeld JM, Croft DA, Dech FW, Small S, Cook S. Tele-immersion: Preferred infrastructure for anatomy instruction *Journal of Computing in Higher Education*. 2006;18(1):80-93.
2. Sandberg WS, Sandberg EH, Seim AR, Anupama S, Ehrenfeld JM, Spring SF, Walsh JL. Real-time checking of electronic anesthesia records for documentation errors and automatically text messaging clinicians improves quality of documentation. *Anesth Analg*. 2008 Jan;106(1):192-201, table of contents.
3. Ehrenfeld JM, Walsh JL, Sandberg WS. Right- and left-sided Mallinckrodt double-lumen tubes have identical clinical performance. *Anesth Analg*. 2008 Jun;106(6):1847-52.
4. Lorient C, Dulong S, Avella M, Gabillat N, Bouloukos K, Borgese F, Ehrenfeld J. Characterization of SLC26A9, facilitation of Cl<sup>-</sup> transport by bicarbonate. *Cell Physiol Biochem*. 2008;22(1-4):15-30.
5. Stander EK, Ehrenfeld JG. Rapid assessment of urban wetlands: do hydrogeomorphic classification and reference criteria work? *Environ Manage*. 2009 Apr;43(4):725-42.
6. Xu J, Song P, Miller ML, Borgese F, Barone S, Riederer B, Wang Z, Alper SL, Forte JG, Shull GE, Ehrenfeld

- J, Seidler U, Soleimani M. Deletion of the chloride transporter Slc26a9 causes loss of tubulovesicles in parietal cells and impairs acid secretion in the stomach. *Proc Natl Acad Sci U S A*. 2008 Nov 18;105(46):17955-60. PMID: PMC2582584
7. Regenbogen SE, Ehrenfeld JM, Lipsitz SR, Greenberg CC, Hutter MM, Gawande AA. Utility of the surgical apgar score: validation in 4119 patients. *Arch Surg*. 2009 Jan;144(1):30-6; discussion 37.
  8. Epstein RH, Dexter F, Ehrenfeld JM, Sandberg WS. Implications of event entry latency on anesthesia information management decision support systems. *Anesth Analg*. 2009 Mar;108(3):941-7.
  9. Ehrenfeld JG. Idea of a love drug was no mystery to Shakespeare. *Nature*. 2009 Feb 26;457(7233):1079.
  10. Ehrenfeld JM, Seim AR, Berger DL, Sandberg WS. Implementation of a direct-from-recovery-room discharge pathway: a process improvement effort. *Surg Innov*. 2009 Sep;16(3):258-65.
  11. Yu S, Ehrenfeld JG. Relationships among plants, soils and microbial communities along a hydrological gradient in the New Jersey Pinelands, USA. *Ann Bot*. 2010 Jan;105(1):185-96. PMID: PMC2794054
  12. Ehrenfeld JM, Mulvoy W, Sandberg WS. Performance comparison of right- and left-sided double-lumen tubes among infrequent users. *J Cardiothorac Vasc Anesth*. 2010 Aug;24(4):598-601.
  13. Avella M, Lorient C, Boulukos K, Borgese F, Ehrenfeld J. SLC26A9 stimulates CFTR expression and function in human bronchial cell lines. *J Cell Physiol*. 2011 Jan;226(1):212-23.
  14. Ehrenfeld JM, Funk LM, Van Schalkwyk J, Merry AF, Sandberg WS, Gawande A. The incidence of hypoxemia during surgery: evidence from two institutions. *Can J Anaesth*. 2010 Oct;57(10):888-97. PMID: PMC2991088
  15. Ehrenfeld JM, Rehman MA. Anesthesia information management systems: a review of functionality and installation considerations. *J Clin Monit Comput*. 2011 Feb;25(1):71-9. PMID: PMC3387486
  16. Wuerz TH, Regenbogen SE, Ehrenfeld JM, Malchau H, Rubash HE, Gawande AA, Kent DM. The Surgical Apgar Score in hip and knee arthroplasty. *Clin Orthop Relat Res*. 2011 Apr;469(4):1119-26. PMID: PMC3048275
  17. Ehrenfeld JM, Areti YK. Medical gas supply, vacuum, and scavenging Essential Clinical Anesthesia. 1 January 2011:121-128.
  18. Ehrenfeld JM. Medical informatics and anesthesia information management systems Essential Clinical Anesthesia. 1 January 2011:1116-1117.
  19. Ehrenfeld JM, Hariharan S, Corn SB. Electrical safety Essential Clinical Anesthesia. 1 January 2011:149-154.
  20. Chau A, Ehrenfeld JM. Using real-time clinical decision support to improve performance on perioperative quality and process measures. *Anesthesiol Clin*. 2011 Mar;29(1):57-69. PMID: PMC3071585
  21. Ehrenfeld JM, Epstein RH, Bader S, Khetarpal S, Sandberg WS. Automatic notifications mediated by anesthesia information management systems reduce the frequency of prolonged gaps in blood pressure documentation. *Anesth Analg*. 2011 Aug;113(2):356-63. PMID: PMC3121913
  22. Avella M, Borgese F, Ehrenfeld J. Characterization of the L683P mutation of SLC26A9 in *Xenopus* oocytes. *Biochim Biophys Acta*. 2011 Jun;1810(6):577-83.
  23. Elgersma KJ, Ehrenfeld JG, Yu S, Vor T. Legacy effects overwhelm the short-term effects of exotic plant invasion and restoration on soil microbial community structure, enzyme activities, and nitrogen cycling. *Oecologia*. 2011 Nov;167(3):733-45.
  24. Davis MA, Chew MK, Hobbs RJ, Lugo AE, Ewel JJ, Vermeij GJ, Brown JH, Rosenzweig ML, Gardener MR, Carroll SP, Thompson K, Pickett ST, Stromberg JC, Del Tredici P, Suding KN, Ehrenfeld JG, Grime JP, Mascaró J, Briggs JC. Don't judge species on their origins. *Nature*. 2011 Jun 08;474(7350):153-4.
  25. Hobai IA, Gauran C, Chitilian HV, Ehrenfeld JM, Levinson J, Sandberg WS. The management and outcome of documented intraoperative heart rate-related electrocardiographic changes. *J Cardiothorac Vasc Anesth*. 2011 Oct;25(5):791-8.
  26. Wanderer JP, Sandberg WS, Ehrenfeld JM. Real-time alerts and reminders using information systems. *Anesthesiol Clin*. 2011 Sep;29(3):389-96. PMID: PMC3164521
  27. Jordan RC, Gray SA, Howe DV, Brooks WR, Ehrenfeld JG. Knowledge gain and behavioral change in citizen-science programs. *Conserv Biol*. 2011 Dec;25(6):1148-1154.
  28. Ehrenfeld JM, Cassidy EA, Forbes VE, Mercaldo ND, Sandberg WS. Modified rapid sequence induction and intubation: a survey of United States current practice. *Anesth Analg*. 2012 Jul;115(1):95-101. PMID: PMC3270153
  29. Jordan RC, Brooks WR, Howe DV, Ehrenfeld JG. Evaluating the performance of volunteers in mapping invasive plants in public conservation lands. *Environ Manage*. 2012 Feb;49(2):425-34.
  30. Urman RD, Ehrenfeld JM. Preface Physicians' Pathways to Non-Traditional Careers and Leadership

- Opportunities. 1 January 2012:ix-x.
31. Kadry B, Feaster WW, Macario A, Ehrenfeld JM. Anesthesia information management systems: past, present, and future of anesthesia records. *Mt Sinai J Med.* 2012;79(1):154-65.
  32. Ehrenfeld JM, Henneman JP, Peterfreund RA, Sheehan TD, Xue F, Spring S, Sandberg WS. Ongoing professional performance evaluation (OPPE) using automatically captured electronic anesthesia data. *Jt Comm J Qual Patient Saf.* 2012 Feb;38(2):73-80.
  33. Young MJ, Ehrenfeld JM. Knotting of an orogastric tube around an endotracheal tube. *J Clin Anesth.* 2012 May;24(3):254-5.
  34. Bateman BT, Mhyre JM, Ehrenfeld J, Kheterpal S, Abbey KR, Argalious M, Berman MF, Jacques PS, Levy W, Loeb RG, Paganelli W, Smith KW, Wethington KL, Wax D, Pace NL, Tremper K, Sandberg WS. The risk and outcomes of epidural hematomas after perioperative and obstetric epidural catheterization: a report from the Multicenter Perioperative Outcomes Group Research Consortium. *Anesth Analg.* 2013 Jun;116(6):1380-5.
  35. Geiger TM, Horst S, Muldoon R, Wise PE, Enrenfeld J, Poulouse B, Herline AJ. Perioperative core body temperatures effect on outcome after colorectal resections. *Am Surg.* 2012 May;78(5):607-12.
  36. Ehrenfeld J, Gokhale A, Koutsoukos X, Schmidt D. WiP abstract: A closed loop control architecture to maintain patient normothermia during perioperative periods Proceedings - 2012 IEEE/ACM 3rd International Conference on Cyber-Physical Systems, ICCPS 2012. 2012:217.
  37. Garcia AE, Bonnaig JV, Yoneda ZT, Richards JE, Ehrenfeld JM, Obremskey WT, Jahangir AA, Sethi MK. Patient variables which may predict length of stay and hospital costs in elderly patients with hip fracture. *J Orthop Trauma.* 2012 Nov;26(11):620-3.
  38. Lonergan DF, Ehrenfeld JM. Advancement of information technology in outpatient and perioperative settings to support patient care and translational research. *Pain Manag.* 2012 Sep;2(5):445-9.
  39. Johnson BJ, Munafo K, Shappell L, Tspoura N, Robson M, Ehrenfeld J, Sukhdeo MV. The roles of mosquito and bird communities on the prevalence of West Nile virus in urban wetland and residential habitats. *Urban Ecosyst.* 2012 Sep;15(3):513-531. PMID: PMC4257491
  40. Hill JB, Patel A, Del Corral GA, Sexton KW, Ehrenfeld JM, Guillaumondegui OD, Shack RB. Preoperative anemia predicts thrombosis and free flap failure in microvascular reconstruction. *Ann Plast Surg.* 2012 Oct;69(4):364-7.
  41. Moore DC, Yoneda ZT, Powell M, Howard DL, Jahangir AA, Archer KR, Ehrenfeld JM, Obremskey WT, Sethi MK. Gunshot victims at a major level I trauma center: a study of 343,866 emergency department visits. *J Emerg Med.* 2013 Mar;44(3):585-91.
  42. Wanderer JP, Rao AV, Rothwell SH, Ehrenfeld JM. Comparing two anesthesia information management system user interfaces: a usability evaluation. *Can J Anaesth.* 2012 Nov;59(11):1023-31.
  43. Wanderer JP, Ehrenfeld JM, Sandberg WS, Rathmell JP. Infographics in anesthesiology: a volatile tale of two institutions. *Anesthesiology.* 2013 Jun;118(6):1456.
  44. Grosse-Sundrup M, Henneman JP, Sandberg WS, Bateman BT, Uribe JV, Nguyen NT, Ehrenfeld JM, Martinez EA, Kurth T, Eikermann M. Intermediate acting non-depolarizing neuromuscular blocking agents and risk of postoperative respiratory complications: prospective propensity score matched cohort study. *BMJ.* 2012 Oct 15;345:e6329. PMID: PMC3473088
  45. Urman RD, Ehrenfeld JM. Physicians' pathways to non-traditional careers and leadership opportunities Physicians' Pathways to Non-Traditional Careers and Leadership Opportunities. 1 November 2012;9781461405511:1-385.
  46. Schwenk ES, Mraovic B, Maxwell RP, Kim GS, Ehrenfeld JM, Epstein RH. Root causes of intraoperative hypoglycemia: a case series. *J Clin Anesth.* 2012 Dec;24(8):625-30.
  47. Bowens C, Ehrenfeld JM. Perioperative optimization in orthopedic trauma *Orthopedic Traumatology: An Evidence-Based Approach.* 1 January 2013:431-444.
  48. Ehrenfeld JM. In response Anesthesia and Analgesia. January 2013;116(1):265.
  49. Backman ES, Triant VA, Ehrenfeld JM, Lu Z, Arpino P, Losina E, Gandhi RT. Safety of midazolam for sedation of HIV-positive patients undergoing colonoscopy. *HIV Med.* 2013 Jul;14(6):379-84. PMID: PMC4120820
  50. Ehrenfeld JM. Which is the original and which is the modified rapid sequence induction and intubation? Let history be the judge!--author's reply. *Anesth Analg.* 2013 Jan;116(1):265.
  51. Kynes JM, Schildcrout JS, Hickson GB, Pichert JW, Han X, Ehrenfeld JM, Westlake MW, Catron T, Jacques PS. An analysis of risk factors for patient complaints about ambulatory anesthesiology care. *Anesth Analg.* 2013 Jun;116(6):1325-32.
  52. Wanderer JP, Ehrenfeld JM. Reply *Canadian Journal of Anesthesia.* March 2013;60(3):326.

53. Alamanda VK, Delisca GO, Mathis SL, Archer KR, Ehrenfeld JM, Miller MW, Homlar KC, Halpern JL, Schwartz HS, Holt GE. The financial burden of reexcising incompletely excised soft tissue sarcomas: a cost analysis. *Ann Surg Oncol*. 2013 Sep;20(9):2808-14.
54. Blum JM, Stentz MJ, Maile MD, Jewell E, Raghavendran K, Engoren M, Ehrenfeld JM. Automated alerting and recommendations for the management of patients with preexisting hypoxia and potential acute lung injury: a pilot study. *Anesthesiology*. 2013 Aug;119(2):295-302. PMID: PMC3813292
55. Mirzakhani H, Nozari A, Ehrenfeld JM, Peterfreund R, Szabo M, Walsh JL, Jiang Y, Sandberg W, Rosow C, Wang J. Case report: profound hypotension after anesthetic induction with propofol in patients treated with rifampin. *Anesth Analg*. 2013 Jul;117(1):61-4.
56. Wanderer JP, Ehrenfeld JM. Clinical decision support for perioperative information management systems. *Semin Cardiothorac Vasc Anesth*. 2013 Dec;17(4):288-93.
57. Epstein RH, St Jacques P, Stockin M, Rothman B, Ehrenfeld JM, Denny JC. Automated identification of drug and food allergies entered using non-standard terminology. *J Am Med Inform Assoc*. 2013;20(5):962-8. PMID: PMC3756276
58. Tiwari V, Dexter F, Rothman BS, Ehrenfeld JM, Epstein RH. Explanation for the near-constant mean time remaining in surgical cases exceeding their estimated duration, necessary for appropriate display on electronic white boards. *Anesth Analg*. 2013 Aug;117(2):487-93.
59. Wanderer JP, Ehrenfeld JM, Sandberg WS, Epstein RH. The changing scope of difficult airway management. *Can J Anaesth*. 2013 Oct;60(10):1022-4.
60. Ehrenfeld JM, Dexter F, Rothman BS, Johnson AM, Epstein RH. Case cancellation rates measured by surgical service differ whether based on the number of cases or the number of minutes cancelled. *Anesth Analg*. 2013 Sep;117(3):711-716.
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