## Kevin W. Hatton, M.D., F.C.C.M. Associate Clinical Professor University of Kentucky College of Medicine

## Personal Information:

Home Address:	3964 Palomar Blvd Lexington, KY 40513
Home Telephone:	(859) 948-8522
E-Mail:	kevin.hatton@uky.edu
Office Address:	N-222 UKMC 800 Rose Street Lexington, KY 40536
Office Telephone:	(859) 323-5956 ext. 80115
Board Certifications:	Anesthesiology (2007 – Present) Critical Care Medicine (2008 – Present)
Clinical Certifications:	Advanced Cardiac Life Support (2008 – Present) NIH Stroke Scale Certification (2014 – Present) Fundamentals of Critical Care Support (2014 – Present) FCCS Instructor (2014 – Present)
Research Certifications:	CITI Human Subject Protections (2006 – Present) NIH Good Clinical Practice (2016 – Present)
Medical Licensure:	Kentucky #39878 (2005 – Present)

# Education:

08/94 - 05/98	Bachelor of Arts (cum laude) Transylvania University Lexington, KY, USA
08/98 - 05/02	Doctor of Medicine (High Distinction) University of Kentucky Lexington, KY, USA

# Postgraduate Medical Education:

07/02 - 06/06	Clinical Resident Department of Anesthesiology University of Kentucky Chandler Medical Center Lexington, KY, USA
07/06 - 06/07	Clinical Fellow in Critical Care Medicine Department of Anesthesiology Shand's Hospital at the University of Florida Gainesville, FL, USA

# Other Postgraduate Training:

07/05 - 06/06	Chief Resident Department of Anesthesiology University of Kentucky Chandler Medical Center Lexington, KY, USA
04/12 - 10/12	Executive Healthcare Leadership Certificate Gatton College of Business and Economics University of Kentucky Lexington, KY, USA
08/14 - 05/16	Graduate Certificate in Clinical and Translational Science Center for Clinical and Translational Science University of Kentucky Lexington, KY, USA

# Academic Appointments:

07/07 - 07/12	Assistant Clinical Professor Departments of Anesthesiology and Surgery University of Kentucky College of Medicine Lexington, KY, USA
12/11 - Present	Chief, Division of Critical Care Medicine Department of Anesthesiology University of Kentucky College of Medicine

07/12 - Present	Associate Clinical Professor Departments of Anesthesiology and Surgery University of Kentucky College of Medicine Lexington, KY, USA
02/18 - Present	Clinical Faculty Associate Spinal Cord and Brain Injury Research Center (SCoBIRC) University of Kentucky College of Medicine Lexington, KY, USA
07/18 - Present	Interim Vice Chair for Research Department of Anesthesiology University of Kentucky College of Medicine Lexington, KY, USA

# Significant Professional Experiences:

04/09 - 07/11	Associate Director, Residency Program Department of Anesthesiology University of Kentucky Chandler Medical Center
08-09 - 06/13	Co-Director, General Anesthesiology Elective 3 <sup>rd</sup> Year Medical Student Surgical Clerkship University of Kentucky College of Medicine
08/09 - 12/13	Faculty Director, Departmental Journal Club Department of Anesthesiology University of Kentucky College of Medicine
07/11 - 01/14	Medical Director SCM Clinical Decision Support (IT) University of Kentucky HealthCare
12/11 - Present	Director, Anesthesiology Critical Care Medicine 4 <sup>th</sup> Year Medical Student Clerkship University of Kentucky College of Medicine
12/14 - Present	Medical Director Neurocritical Care Services UK HealthCare
02/15 - Present	Clinical Fellowship Program Director Anesthesiology Critical Care Medicine University of Kentucky College of Medicine

10/18 – Present	Research Rotation Director
	Department of Anesthesiology Residency
	University of Kentucky College of Medicine

# **Consulting Activities:**

12/12 - 05/14	Medical Expert Consultant Broderick & Davenport, PLLC
04/13 - 08/13	Medical Expert Consultant Phillips, Parker, Oberson & Arnett, PLC
08/17 - 11/17	Medical Expert Consultant Roetzel & Andress, PLC
04/16 - Present	Medical Expert Consultant East Kentucky Law Group, PSC

# Scientific, Honorary and Professional Society Memberships

American Society of Anesthesiologists Kentucky Society of Anesthesiologists International Anesthesia Research Society Society for Critical Care Medicine Society of Critical Care Anesthesiologists Neurocritical Care Society American Association of Neurological Surgeons Society for Neuroscience in Anesthesiology and Critical Care Omicron Delta Kappa Society Association of University Anesthesiologists	2002 - Present 2002 - Present 2005 - Present 2005 - Present 2015 - Present 2014 - Present 2014 - Present 2014 - Present 2017 - Present 2018 - Present
Honors and Awards:	
Junior Faculty Member of the Year Department of Anesthesiology University of Kentucky College of Medicine	2010
Abraham Flexner Master Educator Award, Outstanding Teaching Contribution or Mentorship Center for Excellence in Medical Education University of Kentucky College of Medicine	2011

Presidential Citation Society for Critical Care Medicine	2014
Fellow, American College of Critical Care Medicine Society for Critical Care Medicine	2015
Presidential Citation Society for Critical Care Medicine	2016

#### **National Presentations:**

"Comparative Intraoperative Hemodynamics of the Piggyback Technique with Veno-Venous Bypass versus Piggyback Technique Alone during Orthotopic Liver Transplantation". International College of Surgeons – American Section Annual Meeting. Nashville, TN. June 2006.

"Recent Advances in Intraoperative Airway Management". International College of Surgeons – American Section Annual Meeting. Reno, NV. June 2008.

"Postoperative Nausea and Vomiting". International College of Surgeons – American Section Annual Meeting. Reno, NV. June 2008.

"Renal Replacement Strategies in Critical Care Patients". Society for Critical Care Medicine Adult Critical Care Refresher Course. Nashville, TN. January 2009.

"New Innovations in Non-Invasive Hemodynamic Monitoring". International College of Surgeons – American Section Annual Meeting. Montreal, Quebec. May 2009.

"The Year in Review – Anesthesiology and Critical Care Medicine". American Society of Anesthesiologists Annual Meeting. New Orleans, LA. October 2009.

"Rescue Modes of Ventilation in ARDS/ALI". Society of Cardiovascular Anesthesiologists Annual Meeting. New Orleans, LA. April 2010.

"The Historical Impact of Anesthesiologist Intensivists in the Critical Care Literature". American Society of Anesthesiologists Annual Meeting. San Diego, CA. October 2010.

"Developing Tools to Improve Septic Shock Care". Visiting Professor – Massachusetts General Hospital. Critical Care Grand Rounds. Boston, MA. May 2011.

"Massive Transfusion: How Much and What to Give". Society of Cardiovascular Anesthesiologists Annual Meeting. Savannah, GA. May 2011.

"The Use of Biomarkers to Improve Perioperative Critical Care". American Society of Anesthesiologists Annual Meeting. Chicago, IL. October 2011.

"Lessons Learned as an Anesthesiologist Intensivist: Improving Sepsis Care at the Bedside in the ICU and the OR". Visiting Professor – Vanderbilt University. Department of Anesthesiology Grand Rounds. May 2013.

"The Most Important Critical Care Articles of 2014". Society of Cardiovascular Anesthesiologists Annual Meeting. Washington, DC. April 2015.

"Point-Counterpoint: Evidence-Based Medicine in Critical Care—Scientific Folly or Fertile Ground for Improving Patient Outcomes". Session Moderator. American Society of Anesthesiologists Annual Meeting. Boston, MA. October 2017.

"Understanding and Navigating the Realities of Drug Shortages in the ICU". Society of Critical Care Medicine Annual Congress. San Antonio, TX. February 2018.

"When Cost Jeopardizes Quality--The Rising Cost of Drugs in the ICU." Society of Critical Care Medicine Annual Congress. San Antonio, TX. February 2018.

"Right Ventricular Failure: New Concepts, New Therapies". Session Moderator. Society of Critical Care Medicine Annual Congress. San Diego, CA. February 2019.

## **Regional Presentations:**

"PBLD: Are We Still Doing Craniotomies?" Kentucky Society of Anesthesiologists Annual Meeting. Covington, KY. March 2006.

"Assessment of the Seriously III Patient". University of Florida Fundamentals in Critical Care Support Course. Gainesville, FL. September 2006.

"Non-Invasive Hemodynamic Monitoring". Kentucky Society of Anesthesiologists Annual Meeting. Lexington, KY. April 2008.

"Ventilation in the ICU". Kentucky Society of Anesthesiologists Annual Meeting. Covington, KY. March 2009.

"Ultrasound in Modern Anesthesiology Practice". Kentucky Society of Anesthesiologists Annual Meeting. Louisville, KY. March 2010.

"Update in Perioperative Critical Care: Therapeutic Hypothermia and Mechanical Cardiac Support". Kentucky Society of Perianesthesia Nurses Spring Seminar. Lexington, KY. March 2012.

"Update in Mechanical Support for Cardiac and Respiratory Failure". Kentucky society of Perianesthesia Nurses Spring Seminar. Lexington, KY. March 2013.

"Perioperative Cardiac and Respiratory Failure: Update in Mechanical Support for Failing Organ Systems". Kentucky Society of Anesthesiologists Annual Meeting. Louisville, KY. March 2013.

"Sepsis and Inflammatory Injury in Ischemic Stroke". University of Kentucky Stroke Care Network Annual Educational Summit. Lexington, KY. August 2016.

"Evolving Definitions and Resuscitation in Sepsis and Septic Shock". Highlands Regional Medical Center Annual Sepsis Summit. Prestonsburg, KY. October 2016.

"Controversies in Mechanical Ventilation: Low Tidal Volume Strategies in ARDS". Kentucky Society for Respiratory Care Annual Care Symposium. Lexington, KY. August 2017.

"Sepsis in Stroke Patients: A Case-Based Presentation." Kentucky Stroke Care Network Annual Summit. Lexington, KY. August 2017.

"The Role of Haptoglobin Phenotype on Delayed Cerebral Vasospasm after Aneurysmal Subarachnoid Hemorrhage". UK Center for Clinical and Translational Science Research Seminar. Lexington, KY. October 2018.

"Acid-Base Balance: Finding the True Meaning of All Those Numbers on an ABG." UK APP Multidisciplinary Conference. Lexington, KY. October 2018.

"LV Distension and ECLS Lungs". UK Gill Heart & Vascular Institute ECMO Conference. Lexington, KY. October 2018.

"Standardized ICU APP Education: A Design from the Neurocritical Care ICU". UK Intensive Care Unit Committee. Lexington, KY. October 2018.

## Local Presentations:

"Septic Shock Resuscitation at UK Chandler Medical Center". Quality and Safety Forum. University of Kentucky Chandler Medical Center. Lexington, KY. July 2010.

"Principles of Septic Shock Resuscitation". Department of Anesthesiology Grand Rounds. University of Kentucky. Lexington, KY. August 2010.

"Principles of Septic Shock Resuscitation and the Implementation of a Shock Resuscitation Bundle to Improve Patient Care". Department of Emergency Medicine Ground Grounds. University of Kentucky. Lexington, KY. September 2010. "Resuscitation of Septic Shock Using a Resuscitation Bundle in Patients with Cardiovascular Disease". Cardiovascular Medicine Grand Rounds. University of Kentucky. Lexington, KY. October 2010.

"Critical Care Management of the ECMO Patient". Department of Anesthesiology Grand Rounds. University of Kentucky. Lexington, KY. January 2013.

"Sepsis – A worldwide problem. A Call to Action and Solutions for UK Healthcare". Quality and Safety Forum. University of Kentucky Chandler Medical Center. Lexington, KY. September 2013.

"Postoperative Critical Care Following Minimally-Invasive Esophagectomy". UK Healthcare Interdisciplinary Esophagectomy Symposium. University of Kentucky Chandler Medical Center. Lexington, KY. September 2014.

"Human Nature Inside and Out". Invited Panelist – 2014 UK TEDMED Conference. University of Kentucky Chandler Medical Center. Lexington, KY. September 2014.

"Sepsis Resuscitation in Patients with Ischemic Stroke". University of Kentucky Stroke Care Network Comprehensive Approach to Stroke (CATS) Lecture Series. University of Kentucky Chandler Medical Center. Lexington, KY. March 2016.

"ECMO—Collaborative Care and Multidisciplinary Challenges". University of Kentucky Mechanical Cardiac Support Forum. University of Kentucky Chandler Medical Center. Lexington, KY. November 2016.

"Cardiovascular Collapse in PACU". University of Kentucky Department of Anesthesiology General Competencies Conference. Lexington, KY. September 2017.

"Artic Sun Rising: Body Temperature Management as a Therapeutic Intervention in Acute Ischemic Stroke and Brain Hemorrhage." University of Kentucky Department of Neurology Stroke Conference. University of Kentucky Chandler Medical Center. Lexington, KY. September 2017.

"Increased Intracranial Pressure: Monitoring, Diagnosis & Treatment." University of Kentucky Department of Neurology Resident Education Conference. University of Kentucky Chandler Medical Center. Lexington, KY. September 2017.

"Pacemakers and Intra-Aortic Balloon Pumps in the Intensive Care Unit." University of Kentucky Department of Surgery and Department of Anesthesiology Multidisciplinary Critical Care Fellowship Conference. University of Kentucky Chandler Medicine Center. Lexington, KY. November 2017.

"Mechanical Ventilation Nuts & Bolts: Weaning from Mechanical Ventilation". University of Kentucky Department of Surgery, Division of Cardiothoracic Surgery Resident

Education Conference. University of Kentucky Chandler Medical Center. Lexington, KY. November 2017.

"Extra-Corporeal Life Support: A Primer for Bedside Management". University of Kentucky Advanced Practice Providers Weekly Conference. University of Kentucky Chandler Medical Center. Lexington, KY. December 2017.

"HO2BIT Trial". University of Kentucky Department of Anesthesiology General Competencies Conference. University of Kentucky Chandler Medical Center. Lexington, KY. May 2018.

"Adaptive Study Design". University of Kentucky Department of Anesthesiology General Competencies Conference. University of Kentucky Chandler Medical Center. Lexington, KY. August 2018.

## Multimedia Presentations:

"Management of Respiratory Failure." University of Kentucky Department of Anesthesiology YouTube Channel. <u>https://www.youtube.com/watch?v=4lkwRu8\_W4Y</u>. September 2016.

"Anesthesiology Residency Keyword Review: Renal Dysfunction and Electrolyte Abnormalities". University of Kentucky Department of Anesthesiology YouTube Channel. <u>https://www.youtube.com/watch?v=PK5yYTi6iw8</u>. February 2017.

"Anesthesiology Residency Keyword Review: Critical Care (Part 1 of 2)". University of Kentucky Department of Anesthesiology YouTube Channel. <u>https://www.youtube.com/watch?v=nPLsIIdOI68</u>. February 2017.

"Anesthesiology Residency Keyword Review: Critical Care (Part 2 of 2)". University of Kentucky Department of Anesthesiology YouTube Channel. <u>https://www.youtube.com/watch?v=AB1H5pepBJ0</u>. February 2017.

"Anesthesiology Residency Keyword Review: Renal Dysfunction and Electrolyte Abnormalities". University of Kentucky Department of Anesthesiology YouTube Channel. <u>https://www.youtube.com/watch?v=PK5yYTi6iw8</u>. February 2017.

"Electrolyte Abnormalities". University of Kentucky Department of Anesthesiology YouTube Channel. <u>https://www.youtube.com/watch?v=rE0k0aUY4wk</u>. March 2017.

"Emergency Surgical Airways: Cricothyrotomy and Tracheostomy". University of Kentucky Department of Anesthesiology YouTube Channel. <u>https://www.youtube.com/watch?v=A39CUMUI9BY</u>. August 2017.

## **Editorial Board Services:**

Member, Editorial Board Anesthesiology Continuing Education (ACE) CME Program American Society of Anesthesiologists	2007 – 2011
Member, Editorial Board <i>The Interchange Newsletter</i> Society of Critical Care Anesthesiologists	2008 – 2014
Member, Editorial Board Practice Performance and Improvement (PPAI) CME Program American Society of Anesthesiologists	2011 – 2016
Associate Editor The Interchange Newsletter Society of Critical Care Anesthesiologists	2014 – 2018
Member, Editorial Board Seminars in Cardiothoracic and Vascular Anesthesia	2013 – Present
Editor-in-Chief The Interchange Newsletter Society of Critical Care Anesthesiologists	2018 – Present
National Administrative Services:	
	2006 – 2007
National Administrative Services: Resident Member, Transplantation Medicine Committee	2006 – 2007 2006 – 2007
National Administrative Services:   Resident Member, Transplantation Medicine Committee   American Society of Anesthesiologists   Resident Member, Critical Care Medicine Committee	
National Administrative Services:   Resident Member, Transplantation Medicine Committee   American Society of Anesthesiologists   Resident Member, Critical Care Medicine Committee   American Society of Anesthesiologists   Resident Member, Critical Care Medicine Committee   American Society of Anesthesiologists   Resident Member, Academic Anesthesiology Committee	2006 – 2007
National Administrative Services:   Resident Member, Transplantation Medicine Committee   American Society of Anesthesiologists   Resident Member, Critical Care Medicine Committee   American Society of Anesthesiologists   Resident Member, Academic Anesthesiology Committee   American Society of Anesthesiologists   Elected Alternate Delegate from KSA, ASA House of Delegates	2006 – 2007 2006 – 2008

Chair, Drug Shortages Committee Society for Critical Care Medicine	2017 – 2018
Member, Membership Committee Society of Critical Care Anesthesiologists	2008 – Present
Junior Question Writer, ABA Joint Council (Basic Exam) American Board of Anesthesiology	2012 – Present
Member, Drug Shortages Committee Society for Critical Care Medicine	2012 – Present
Elected Delegate from KSA House of Delegates, American Society of Anesthesiologist	2014 – Present
Elected Alternate Director from KSA Board of Directors, American Society of Anesthesiologists	2015 – Present
Member, Assessment and Knowledge Item Writing Committee Society for Critical Care Medicine	2016 – Present
Member, Abstract Review Subcommittee – Critical Care Track American Society of Anesthesiologists	2016 – Present
Member, Committee on Respiratory Care American Society of Anesthesiologists	2016 – Present
Member, Critical Care Track Subcommittee Annual Meeting Program Committee American Society of Anesthesiologists	2016 – Present
Member, Committee on Quality and Safety Society of Critical Care Medicine	2017 – Present
Chair, Communications Committee Society of Critical Care Anesthesiologists	2018 – Present
Regional Administrative Services:	
Member, Annual Meeting Program Development Committee Kentucky Society of Anesthesiologists	2008 – 2015
District Representative – Lexington, Board of Directors Kentucky Society of Anesthesiologists	2011 – 2013

Chair, Legislative Committee Kentucky Society of Anesthesiologists	2011 – 2013
President-Elect Kentucky Society of Anesthesiologists	2011 – 2013
Member, Legislative Committee Kentucky Society of Anesthesiologists	2011 – 2015
President Kentucky Society of Anesthesiologists	2013 – 2015
Member, Executive Committee Kentucky Society of Anesthesiologists	2011 – Present
University of Kentucky Administrative Services:	
Member, Clinical Decision Support (CDS) Steering Committee Integrated Clinical Information System (ICIS) University of Kentucky Chandler Medical Center	2008 – 2011
Member, Physician Documentation Committee Integrated Clinical Information System (ICIS) University of Kentucky Chandler Medical Center	2008 – 2014
Member, SCM Strategy Committee Integrated Clinical Information System (ICIS) University of Kentucky Chandler Medical Center	2008 – 2014
Member, UK Center for Applied Research ICU Working Group University of Kentucky Chandler Medical Center	2009 – 2010
Member, UK ICU Ultrasound Implementation Subcommittee University of Kentucky Chandler Medical Center	2009 – 2010
Co-Chair, Albumin Utilization Working Group University of Kentucky Chandler Medical Center	2009 – 2010
Chair, ICU Protocols Development Task Force University of Kentucky Chandler Medical Center	2010 – 2011
Member, KMSF Compliance Committee Kentucky Medical Services Foundation	2010 – 2016

Member, Intensive Care Unit (ICU) Committee 2008 – Present

University of Kentucky Chandler Medical Center	
Member, ICU Executive Committee University of Kentucky Chandler Medical Center	2010 – Present
Member, UK Drug Shortage Task Force University of Kentucky Chandler Medical Center	2013 – Present
Member, Stroke Core Measures Team University of Kentucky Chandler Medical Center	2014 – Present
Chair, Neurocritical Care Leadership Team University of Kentucky Chandler Medical Center	2014 – Present
Member, Graduate Medical Education Committee University of Kentucky Chandler Medical Center	2015 – Present
Founder and Moderator, Neurocritical Care Translational Research Seminar University of Kentucky Chandler Medical Center	2018 – Present

# Department of Anesthesiology Administrative Services:

Member, ACGME General Competencies Committee Department of Anesthesiology, University of Kentucky	2004 – 2006
Member, Resident Education Committee Department of Anesthesiology, University of Kentucky	2005 – 2015
Member, Simulation Committee Department of Anesthesiology, University of Kentucky	2008 – 2013
Member, Clinical Competencies Committee Anesthesiology Residency Department of Anesthesiology, University of Kentucky	2008 – 2016
Chair, Clinical Competencies Committee Critical Care Medicine Fellowship Department of Anesthesiology, University of Kentucky	2011 – 2015
Member, Clinical Competencies Committee Critical Care Medicine Fellowship Department of Anesthesiology, University of Kentucky	2011 – Present

Member, Resident Research Education Fund Department of Anesthesiology, University of Kentucky

#### Peer-Reviewed Publications:

- 1. Dorfling J, **Hatton KW**, Hassan Z. Integrating echocardiography into human patient simulator training of anesthesiology residents utilizing a severe pulmonary embolism scenario. *Simul Healthcare*. 2006; 1(2): 79-83.
- 2. **Hatton KW**, Kilinski LC, Ramaiah C, Schell RM. Multiple failed external defibrillation attempts during robot-assisted internal mammary harvest for myocardial revascularization. *Anesth Analg.* 2006; 103(5): 1113-4.
- 3. **Hatton KW**, Price S, Craig L, Grider JS. Educating anesthesiology residents to perform percutaneous cricothyrotomy, retrograde intubation, and fiberoptic bronchoscopy using preserved cadavers. *Anesth Analg.* 2006; 103(5): 1205-8.
- Hatton KW, McLarney JT, Pittman T, Fahy BG. Vagal nerve stimulation: overview and implications for anesthesiologists. *Anesth Analg.* 2006; 103(5): 1241-9.
- 5. Johnson DW, **Hatton KW**, Flynn JD. Continuous wound catheters: practical considerations for use. *Orthopedics.* 2008; 31(9): 865-7.
- Cehovic GA, Hatton KW, Fahy BG. Acute Respiratory Distress Syndrome: Historic Overview and Treatment Strategies. *Int Anesthesiol Clin.* 2009; 47(1): 83-95.
- 7. Stratman RC, Flynn JD, **Hatton KW**. Malignant hyperthermia: a pharmacogenetic disorder. *Orthopedics.* 2009; 32(11): 835-8.
- 8. Harned ME, Owen RD, Steyn PG, **Hatton KW**. Novel use of intraoperative dexmedetomidine infusion for sedation during spinal cord stimulator lead placement via surgical laminectomy. *Pain Physician*. 2010; 13(1):19-22.
- 9. Paciullo CA, McMahon DM, **Hatton KW**, Flynn JD. Methylene blue for the treatment of septic shock. *Pharmacotherapy*. 2010 Jul;30(7):702-15.
- 10. Ashton J, **Hatton KW**, Flynn J. Perioperative beta-blockade in patients undergoing noncardiac surgery. *Orthopedics.* 2010 Jul 1;33(7):488-91.
- 11. Stoops WW, **Hatton KW**, Lofwall MR, Nuzzo PA, Walsh SL. Intravenous oxycodone, hydrocodone, and morphine in recreational opioid users: abuse potential and relative potencies. *Psychopharmacology (Berl).* 2010 Oct;212(2):193-203.

- 12. Lemon SJ, **Hatton KW**, Mullett TW, Ramaiah C, Flynn JD. Evaluation of atrial arrhythmias following non-cardiac thoracic surgery. *Int Surg.* 2010; 95(3):205-9.
- 13. Hayes D, **Hatton KW**, Feola DJ, Murphy BS, Mullett TW. Airway dehiscence after lung transplantation in a patient with cystic fibrosis. *Respir Care*. 2010 Dec;55(12):1746-50.
- 14. **Hatton KW**, Flynn JD, Lallos C, Fahy BG. Integrating evidence-based medicine into the perioperative care of cardiac surgery patients. *J Cardiothorac Vasc Anesth*. 2011; 25(2):335-346.
- 15. Craig J, Flynn J, Hatton KW. Managing postoperative nausea and vomiting: current controversy. *Orthopedics*. 2011;34(1):28-32.
- 16. Rebel A, **Hatton KW**, Sloan PA, Hayes CT, Sardam SC, Hassan ZU. Neurophysiological monitoring simulation using flash animation for anesthesia resident training. *Simul Healthc*. 2011; 6(1):48-54.
- 17. Harned ME, Dority J, **Hatton KW**. Transient neurologic syndrome: a benign but confusing clinical problem. *Adv Emerg Nurs J*. 2011; 33(3):1-5.
- 18. **Hatton KW**. Do hemodynamic measures accurately predict volume responsiveness when lung compliance is severely reduced by ALI/ARDS? *Crit Care Med*. 2012;40(1):327-8.
- 19. **Hatton KW**, Rebel A, Layon AJ. Repeated respiratory failure and failed extubation following intraoperative advanced airway device endotracheal intubation. *ICU Director.* 2013; 4(3):128-131.
- 20. Flynn JD, McConeghy KW, Flannery AH, Nestor M, Branson P, **Hatton KW**. Utilization of Pharmacist Responders as a Component of a Multidisciplinary Sepsis Bundle. *Ann Pharmacother*. 2014; 48(9): 1145-51.
- 21. Bain J, Lewis D, Bernard A, **Hatton K**, Reda H, Flynn J. Implementation of an off-label recombinant factor VIIa protocol for patients with critical bleeding at an academic medical center. *J Thromb Thrombolysis*. 2014; 38(4):447–452.
- 22. Lile JA, Stoops WW, Negus SS, Rush CR, Hays LR, **Hatton KW**, Glaser PEA. Development of a translational model to screen medications for cocaine use disorder: Choice between intravenous cocaine and money in humans. *Drug Alcohol Depend*. 2016;165:111-9.
- 23. Langley T, Dority J, Fraser J, **Hatton KW**. A comprehensive onboarding and orientation plan for neurocritical care advanced practice providers. *J Neurosci N*. 2018;50(3):157-60.

- 24. Srour H, Pandya K, Flannery A, **Hatton KW.** Enteral Guanfacine to Treat Severe Anxiety and Agitation Complicating Critical Care After Cardiac Surgery. *Semin Cardiothorac Vasc Anesth.* 2018;22(4):403-6.
- 25. McCann MR, **Hatton KW**, Vsevolozhskaya OA, Fraser JF. Earlier tracheostomy and PEG in hemorrhagic stroke patients: associated factors and effects on hospitalization. *J Neurosurg*. Accepted for publication 07/31/2018.
- 26. Hatton KW, Bacon JD, McKinney K, Schell RM. A Novel Educational Tool to Guide Reintegration of Graduate Medical Education Trainees into Clinical and Academic Work Following Concussion. A A Pract. Accepted for publication 10/22/2018.
- 27. Neelankiavil J, Goeddel LA, Dwarkanath S, Methangkool E, Feinman JW, Harvey R, Hatton K, Kostibas M, Shah R, Ho J, Patel PA, Howard-Quijano J, Nyhan D. Mentoring Fellows in Adult Cardiothoracic Anesthesiology for Academic Practice in the Contemporary Era perspective from mentors around the United States. J Cardiothorac Vasc Anesth. Submitted for publication 1/4/2019.
- 28. Lile JA, Johnson AR, Banks ML, Hatton KW, Hayes LR, Nicholson KL, Polklis JL, Rayapati AO, Rush CR, Stoops WW, Negus SS. Pharmacologic validation of a translational model of cocaine use disorder: effects of d-amphetamine maintenance on choice between intravenous cocaine and a non-drug alternative in humans and rhesus monkeys. Exp Clin Psychopharmacol. Submitted for publication 01/31/2019.
- 29. **Hatton KW**, Early A, Morris P. Haptoglobin genotypes as confounding variables in clinical trials of aneurysmal subrachnoid hemorrhage. Biomed J Sci Tech Res. Submitted for publication 02/05/2019.
- 30. Faulkner AL, Bacon JD, Fischer B, Grupke SL, Hatton KW. Successful Extracorporeal Membrane Oxygenation (ECMO) Use Without Systemic Anticoagulation for Acute Respiratory Distress Syndrome in a Patient with Aneurysmal Subarachnoid Hemorrhage. Case Rep Neurol Med. Submitted for publication 03/08/2019.

#### Non-Peer-Reviewed Publications:

1. **Hatton KW**, Hassan Z, Fuhrman T. Chest tubes: a review of the indications for placement and subsequent care. *NBRC Horizons* 2005; 19(4): 2-3.

- 2. **Hatton KW**. Con: recombinant activated Factor VII should only be used as salvage therapy after cardiac surgery. *ASCCA Interchange* 2009; 20(3): 4.
- 3. **Hatton KW**. Literature Review: The sequential organ failure assessment score for predicting outcome in patients with severe sepsis and evidence of hypoperfusion at the time of emergency department presentation. *ASCCA Interchange* 2009; 20(4): 9.
- 4. **Hatton KW**. Fellowship review III: critical care medicine fellowship at the University of Florida. *ASCCA Interchange* 2010; 21(1): 11.
- 5. **Hatton KW**. Literature Review: Sodium bicarbonate to prevent increases in serum creatinine after cardiac surgery: a pilot double-blind, randomized controlled trial. *ASCCA Interchange*. 2010; 21(1): 13.
- 6. **Hatton KW**, Dority J. Literature review: prophylactic intravenous magnesium sulfate for treatment of aneurysmal subarachnoid hemorrhage. *ASCCA Interchange.* 2010; 21(3): 14.
- 7. **Hatton KW.** Con: the PAC should not be abandoned for hemodynamic monitoring in septic shock! *ASCCA Interchange* 2010; 21(4):7.
- 8. **Hatton KW.** Literature Review: Fluids after cardiac surgery: a pilot study of the use of colloids versus crystalloids. *SOCCA Interchange* 2011; 22(2):12.
- Hatton KW. Practical advances in Extracorporeal Life Support (ECLS) for acute and chronic cardiac and respiratory system disease. SOCCA Interchange 2013; 24(4): 3-4.
- 10. **Hatton KW**. A brief conversation with...Aryeh Shander. SOCCA Interchange. 2015; 26(2): 1-2.
- 11. **Hatton KW**. A brief conversation with...Philip Boysen. SOCCA Interchange. 2015; 26(3): 7-8.
- 12. **Hatton KW**, Gesin G. Drug shortages in critical care: Can good come from the bad? *SCCM Critical Connections*. 2015; 6(3):1-2.
- 13. Ploetz J, Moyer A, **Hatton KW**. Leveraging IT solutions to improve outcomes during critical drug shortages. *SCCM Critical Connections*. 2016.
- 14. **Hatton KW**. A brief conversation with...Avery Tung. SOCCA Interchange. 2016; 27(1): 9-10.
- 15. **Hatton KW**. A brief conversation with...Jacob Gutsche. SOCCA Interchange. 2017; 28(1): 3.

- 16. **Hatton KW**. A brief conversation with...David Shimabukuro. SOCCA *Interchange*. 2017; 28(2): 5-6.
- 17. **Hatton KW**. A brief conversation with...Roman Dudaryk. SOCCA Interchange. 2017; 28(3): 8-9.
- 18. **Hatton KW**. A brief conversation with...Todd Dorman. SOCCA Interchange. 2018; 29(1): 6-7.
- 19. **Hatton KW**. A brief conversation with...Sean Josephs. SOCCA Interchange. 2018; 29(2): 4-5.

#### **Book Chapters:**

- Hatton KW, Fuhrman T. Electrolyte disorders: derangements of sodium, potassium, calcium and magnesium. In: Szalados JE, Rehm CG, eds. Adult Multiprofessional Critical Care Review. Mount Prospect, IL: Society of Critical Care Medicine; 2007: 283-92.
- Shannon JD, Hatton KW, Elamin EM. Disordered glucose metabolism. In: Gabrielli A, Layon AJ, Yu, M, eds. *Civetta, Taylor and Kirby's Critical Care*, 4<sup>th</sup> ed. Philadelphia, PA: Lippincott, Williams and Wilkins; 2008: 2429-40.
- Hatton KW, Hatton KC. Renal replacement therapy in critically ill patients. In: Rehm CG, ed. 13<sup>th</sup> Critical Care Refresher Course. Mount Prospect, IL: Society of Critical Care Medicine; 2009: 113-8.
- 4. **Hatton KW**, Fahy BG. Glucose control for the diabetic patient requiring cardiothoracic surgery: does it matter? In: Cohen N, ed. *Medically challenging patients undergoing cardiothoracic surgery*. Philadelphia, PA: Lippincott, Williams and Wilkins; 2009: 109-28.
- Flynn JD, Hatton KW. Perioperative management of antithrombotic therapy. In: Richardson M, Chant C, Cheng JWM, Chessman KH, Hume AL, Hutchinson LC, et al., eds. Pharmacotherapy Self-Assessment Program, 7th edition. Cardiology. Lenexa, KS: American College of Clinical Pharmacy, 2010:153-169.
- Shannon JD, Hatton KW, Elamin EM. Disordered glucose metabolism. In: Gabrielli A, Layon AJ, Yu M, eds. *Civetta, Taylor, & Kirby's Manual of Critical Care.* Philadelphia, PA: Lippincott, Williams and Wilkins; 2012: 856-62.
- Hatton KW. Neurologic injury and mechanical ventilation. In: Layon AJ, Gabrielli A, Friedman WA, eds. *Textbook of Neurointensive Care, 2nd ed*. London, England: Elsevier Inc; 2013: 217-240.

#### Letters to the Editor:

- 1. **Hatton KW**, Atallah JN. A simple model for epidural needle placement. *Anesth Analg.* 2007; 104(2): 468-9.
- 2. Vincent WR, **Hatton KW**. Critically ill patients need "FAST HUGS BID" (an updated mnemonic). *Crit Care Med*. 2009;37(7):2326-7.
- 3. McLarney JT, **Hatton KW**, Swan MJ. The use of fospropofol during bronchoscopy. *Chest*. 2009;136(3):944-5.
- 4. Flannery AH, **Hatton KW**, Philips B. Sedation and delirium in intensive care. NEJM. 2014; 370(16): 1566-7.
- 5. **Hatton KW**, Yalamuri S, McCartney S, Hessel EA, Mark JB. Oscillating continuous cardiac output in postoperative critically ill patients: is this phenomen accurate, artifact, or error? *J Cardiothorac Vasc Anesth*. 2017;31(4):e61.

### Published Abstracts:

- 1. **Hatton KW**, LeClaire A, Winterstein AG, Onyenwenyi J, Gabrielli A, Layon AJ, Bihorac A. The use of radiocontrast nephropathy prophylaxis in critically-ill patients. *Blood Purif*. 2007;25:189.
- Hatton KW, DiLorenzo A, Rebel A, Fahy BG. The impact of anesthesiologist intensivists in the general critical care literature. *Crit Care Med*. 2009;37(12 suppl):A53.
- 3. **Hatton KW**, DiLorenzo A, Melquizo-Castro M, Schell R. Anesthesiology resident and attending perceptions of written evaluation comments. *The Journal of Education in Perioperative Medicine*. 2009;11(2):1.
- 4. **Hatton KW**, Branson P, Nestor M, McConeghy K, Flynn JD. THe use of a "septic shock cart" improves hemodynamic resuscitation in patients with severe sepsis or septic shock in an academic medical center. *Crit Care Med*. 2011;39(12 suppl):A390.
- 5. Flynn JD, Branson P, Nestor M, McConeghy K, **Hatton KW**. A multidisciplinary septic shock response process improves time to antibiotic initiation in patients with severe sepsi and septic shock in a tertiary-care academic medical center. *Crit Care Med*. 2011;39(12 suppl):A399.

- Hatton KW, Cook A, Rebel A, Rusu D, McCardle S, Rohner D, Dority JS, Fraser J. The effect of sepsis on mortality and length of stay in patients with aneurysmal subarachnoid hemorrhage. *Crit Care Med*. 2012;40(12 suppl):A504.
- 7. Flannery A, **Hatton KW**, Flynn J. Albumin as an adjunct to diuresis in hypoalbuminemic critically ill patients. *Crit Care Med*. 2013;41(12 suppl):A241.
- Bain J, Lewis D, Reda H, Hatton KW, Flynn J, Bernard A. Impact of an off-label recombinant Factor VII protocol on patient outcomes. *Crit Care Med*. 2013;41(12 suppl):A318.
- Oyler D, Coz-Yataco A, Hatton K, Roberts J, Desa P, Winstead S, Flynn, J. Effects of means of steroid discontinuation on hypotension in resolved septic shock. *Crit Care Med.* 2014;24(12 suppl):A967.
- 10. Dempsey A, Legault R, Mehl J, Steyn J, **Hatton K**. A pilot study to evaluate the effect of PEEP during transport to the ICU following cardiac surgery. *Crit Care Med*. 2015;43(12 suppl):A107.
- 11. Flynn J, Flannery A, **Hatton KW**. Changes in inhaled bronchodilator formulary: impact on patient outcomes and financial implications. *Crit Care Med*. 2016;44(12 suppl):A292.
- 12. Bush R, Fischer B, Fraser J, Alhajeeri A, **Hatton K**, Stromberg A. Total radiation exposure during initial hospitalization in patients with aneurysmal subarachnoid hemorrhage: a retrospective observational study. Neurocrit Care. 2016;25(suppl 1):A182.
- 13. **Hatton KW**, Allreddy G, Clark AJ, Bush R, Kelly AP, Alhajeri A, Fraser JF. Predictors of potentially harmful ionizing radiation exposure after aneurysmal subarachnoid hemorrhage. Neurocrit Care. 2017; 27(Suppl2): S393.
- 14. Langley T, **Hatton K**, Dority J, Fraser J, Lee, J. Implementing an Orientation Process for Advanced Practice Providers in Neurocritical Care. Neurocrit Care. 2017;27(Suppl2): S116.
- 15. Newman E, Fischer B, Olsen B, Desai S, **Hatton K**. Successful resuscitation with hyperbaric oxygen therapy after catastrophic venous air embolism. Crit Care Med. 2018;46(Suppl1):131.
- 16. **Hatton K**, Allareddy G, Bacon D, Clark A, Kelly A, Alhajeri A, Fraser J. Classifying the risk of ionizing radiation exposure after aneurysmal subarachnoid hemorrhage. Crit Care Med. 2018;46(Suppl1):364.

- 17. **Hatton K**, Lamping O, Fischer B, Cook A, Kelly A, Fraser J. The negative impact of sepsis on hospital outcomes in patients with subarachnoid hemorrhage. Crit Care Med. 2018;46(Suppl1):372.
- 18. **Hatton K**, Lamping O, Fischer B, Cook A, Kelly A, Fraser J. Compliance with sepsis guidelines in patients with aneurysmal subarachnoid hemorrhage. Crit Care Med. 2018;46(Suppl1):589.

## Posters Presented:

- 1. Dorfling J, **Hatton KW**, Hassan ZU. Integrating Echocardiography into Human Patient Simulator training of Anesthesia Residents. Presented at the Kentucky Society of Anesthesiologists Spring Meeting. Lexington, KY. March 2006.
- 2. **Hatton KW**, Price S, Craig L, Grider J. Percutaneous cricothyrotomy and retrograde wire intubation training with embalmed cadavers. Presented at the Society for Education in Anesthesiology Annual Meeting. Nashville, TN. June 2006.
- 3. **Hatton KW**, Drake AR, Craig L, Ranjan D, Hassan ZU. Postoperative renal function after liver transplantation with veno-venous bypass. Presented at the American Society of Anesthesiologists Annual Meeting. Chicago, IL. October 14, 2006.
- 4. **Hatton KW**, Drake AR, Craig L, Ranjan D, Hassan ZU. Postoperative renal function after liver transplantation with veno-venous bypass. Presented at the American Society of Anesthesiologists Annual Meeting. Chicago, IL. October 2006.
- 5. **Hatton KW**, Fragneto RY. Epidural anesthesia for emergent cesarean delivery in a patient with aortic dissection. Presented at the American Society of Anesthesiologists Annual Meeting. Chicago, IL. October 2006.
- Hatton KW, LeClaire A, Winterstein AG, Onyenwenyi AJ, Gabrielli A, Layon AJ, Bihorac A. The use of radiocontrast nephropathy prophylaxis in critically-ill patients with acute kidney injury. Presented at CRRT 2007. San Diego, CA. March 2007.
- Hatton KW, DiLorenzo A, Melguizo-Castro M, Schell RM, Nyquist J. Anesthesiology resident and attending perceptions of written evaluation comments. Presented at the Society for Education in Anesthesiology Annual Meeting. Seattle, WA. June 2009.
- 8. **Hatton KW**, DiLorenzo A, Fahy BG, Schell RM. The delivery of critical care education within American anesthesiology residency training programs.

Presented at the American Society of Critical Care Anesthesiologists Annual Meeting. New Orleans, LA. October 2009.

- 9. **Hatton KW**, DiLorenzo A, Rebel A, Fahy BG. The impact of anesthesiologist intensivists in the general critical care literature. Presented at the Society of Critical Care Medicine Annual Congress. Miami Beach, FL. January 2010.
- 10. **Hatton KW**, Davenport DL, Keach W, Zwischenberger JB, Bowe EA. Mallampati score predicts anesthesia preparation time, airway trauma, and adverse pulmonary outcomes in patients undergoing non-emergent intestinal surgical procedures. International Anesthesiology Research Society meeting. Vancouver, Canada. May 2011.
- 11. **Hatton KW**, Branson P, Nestor M, McConeghy K, Flynn JD. The use of a "septic shock cart" improves hemodynamic resuscitation in patients with severe sepsis or septic shock in an academic medical center. Society of Critical Care Medicine Annual Congress. Houston, TX. February 2012.
- Hatton KW, Cook A, Rebel A, Rusu D, McCardle S, Rohner D, Dority JS, Fraser J. The effect of sepsis on mortality and length of stay in patients with aneurysmal subarachnoid hemorrhage. Society of Critical Care Medicine 42<sup>nd</sup> Annual Congress. San Juan, Puerto Rico. February 2013.
- 13. **Hatton KW**, Flannery A, Flynn, J. Impact of an Off-Label Recombinant Factor VII Protocol on Patient Outcomes. Society of Critical Care Medicine 43rd Annual Congress. San Francisco, CA. January 2014.
- Bain J, Lewis D, Reda H, Hatton KW, Flynn, J. Albumin as an Adjunct to Diuresis in Hypoalbuminemic Critically III Patients. Society of Critical Care Medicine 43<sup>rd</sup> Annual Congress. San Francisco, CA. January 2014.
- 15. **Hatton KW**, Allreddy G, Clark AJ, Bush R, Kelly AP, Alhajeri A, Fraser JF. Predictors of potentially harmful ionizing radiation exposure after aneurysmal subarachnoid hemorrhage. Neurocritical Care Society Annual Meeting. Kona, HI. October 2017.
- 16. Langley T, **Hatton K**, Dority J, Fraser J, Lee, J. Implementing an Orientation Process for Advanced Practice Providers in Neurocritical Care. Neurocritical Care Society Annual Meeting. Kona, HI. October 2017.
- 17. Cranney MD, Dority JS, Fischer B, McFarlin J, **Hatton KW**. Hypocapnea Associated with a Central Nervous System Tumor. American Society of Anesthesiologists Annual Meeting. Boston, MA. October 2017.

 Baysinger C, Shastri U, Webb J, Hatton KW. Uncontrolled Blood Sugar in a Brittle Diabetic Undergoing Peritoneal Dialysis in the Cardiac ICU. American Society of Anesthesiologists Annual Meeting. Boston, MA. October 2017.

## Grants and Contracts:

Licit & illict Opioids: Comparative Studies in Humans

NIH R01 DA016718	7/2004 - 7/2009
Principal Investigator:	Sharon Walsh

Role: Co-Investigator

My role was to screen patients for safety prior to study entry. In addition, I monitored patients during and after experimental opioid administration to evaluate and treat potential cardiopulmonary complications.

\$557,582

\$504.080

Development of a Perfusion-Induced Systemic Hyperthermia Delivery Apparatus

NIH R42 CA 120616	07/2010 - 06/2012
Principal Investigator:	Joseph Zwischenberger

Role: Co-Investigator

My role was to screen patients for safety prior to induction of hyperthermia with investigational apparatus. In addition, I monitored research subjects during and after hyperthermia procedures to evaluate and treat potential cardiopulmonary, neurologic and other systemic complications.

Medications Development for Cocaine: A translational Approach in Monkeys and Humans

NIH RO1 DA033364	02/2013 - 06/2018	\$443,275
Principal Investigator:	Joshua Lile	

Role: Co-Investigator

My role was to screen patients for safety prior to study entry. In addition, I monitored research subjects during and after experimental cocaine administration to evaluate and treat potential cardiopulmonary, neurologic and other systemic complications.

<u>A Phase 3 Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group,</u> <u>Efficacy and Safety Study Comparing EG-1962 to SOC Oral Nimodipine in Adults with</u> Aneurysmal Subarachnoid Hemorrhage.

Edge Therapeutics06/2016 - 06/2018\$162,390Principal Investigator:Kevin Hatton

Role: Site Principal Investigator

My role was to oversee the conduct of this research project at the University of Kentucky. I am responsible for all aspects of this study at this site, including regulatory, administrative, patient safety, and data reporting to sponsor.

Impact of Fever Prevention in Brain Injured Patients (INTREPID)

CR Bard Medical Division 08/2017 - 06/2018 Principal Investigator: Kevin Hatton

\$176,650

\$50,000

Site Principal Investigator Role:

> My role was to oversee the conduct of this research project at the University of Kentucky. I am responsible for all aspects of this study at this site, including regulatory, administrative, patient safety, and data reporting to sponsor.

CCTS Drug Discovery and Development Pilot: Dysregulated CNS Inflammation after Acute Brain Injury

# NIH UL1 TR001998

07/2017 – Present Linda Van Eldik

Principal Investigator: Role: Co-Investigator

> My role is to oversee the clinical component of the conduct of this research project at the University of Kentucky. I am responsible for overseeing all regulatory issues, subject consent, research samples, and overall study patient safety.

A Randomized, Double-Blind, Placebo- and Active-Controlled, Crossover Study to Evaluate the Abuse Potential of Oxymorphone Compared to Other Mu Opioid Agonists

in Physically Dependent Opioid Users with Moderate-to-Severe Opioid Use Disorder

HHSF22320170120C 10/2017 – Present Principal Investigator: Sharon Walsh

\$1.798.321

Co-Investigator Role:

> My role is to screen patients for safety prior to study entry. In addition, I am responsible for monitoring patients during and after experimental opioid administration to evaluate and treat potential cardiopulmonary complications.

CATCH: A Proof-of-Concept Study to Evaluate the Administration of CN-105 in

Participants with Acute Supratentorial Intracerebral Hemorrhage 03/2018 - Present Duke University \$191,486 Principal Investigator: Kevin Hatton

Role: Site Principal Investigator

My role is to oversee the conduct of this research project at the University of Kentucky. I am responsible for all aspects of this study at this site, including regulatory, administrative, patient safety, and data reporting to sponsor.

#### Influence of Orexin Antagonism on Motivation for Cocaine

NIH R01 DA048617	Under Review	\$1,239,202
Principal Investigator:	William Stoops	

Role: Co-Investigator

My role is to screen patients for safety prior to study entry. In addition, I will monitor research subjects during and after experimental drug administration to evaluate and treat potential cardiopulmonary, neurologic and other systemic complications during experimental study sessions.

# A Translational Determination of the Neurobehavioral Mechanisms of Maladaptive

Dynamic Choice in Opioid Use Disorder

NIH R01 DA047368Under ReviewPrincipal Investigator:Joshua Lile

\$3,596,253

Role: Co-Investigator

My role is to screen patients for safety prior to study entry. In addition, I will monitor research subjects during and after experimental drug administration to evaluate and treat potential cardiopulmonary, neurologic and other systemic complications during experimental study sessions.

### Anesthesiology Critical Care Fellows Graduated:

Anthony Dempsey	2014 – 2015
Robin Bush	2015 – 2016
Jasdeep Dhaliwal	2016 – 2017
Bjorn Olsen	2016 – 2017
David Bacon	2017 – 2018
Seth Lesch	2017 – 2018

#### Anesthesiology Residents Mentored:

Jason Garrison	2008 – 2012
James (Tony) Williams	2009 – 2013
Beril Abraham	2012 – 2016
David Bacon	2013 – 2017

#### Master's Degree Students Advisory Committee:

Matthew Hill (Healthcare Administration)	2007 – 2008
Amanda Harms (Immunology and Microbiology)	2015 – 2016

#### UK CCTS Medical Student Mentored Research Fellowship (PSMRF):

Andrew J. Clark	2015 – 2016
Tenley McKee	2016 – 2017
Austin Smith	2018 – Present

#### **Other Professional Society Service:**

Moderator, Scientific Posters (Education)2009Society for Critical Care Medicine Annual Congress2009

Moderator, Scientific Posters (Anesthesiology) Society for Critical Care Medicine Annual Congress	2011
Moderator, Scientific Posters (Quality and Safety) Society for Critical Care Medicine Annual Congress	2014
Moderator, Scientific Posters (Education) Society for Critical Care Medicine Annual Congress	2016
Moderator, Scientific Posters (Critical Care) American Society of Anesthesiologists Annual Meeting	2017
Moderator, Oral Abstracts (Critical Care) American Society of Anesthesiologists Annual Meeting	2017
Scientific Abstract Reviewer Society for Critical Care Medicine Annual Congress	2008 – Present
Scientific Abstract Reviewer American Society of Anesthesiology Annual Meeting	2015 – Present