

# James J. Lamberg

james.lamberg@gmail.com

## EDUCATION

DO	2007 – 2011	Doctor of Osteopathic Medicine Lake Erie College of Osteopathic Medicine, Erie, PA
BEng	2002 – 2006	Bachelor of Computer Engineering with Biomedical Option University of Minnesota – Twin Cities, Institute of Technology, Minneapolis, MN
BEng	2001 – 2005	Bachelor of Electrical Engineering with Biomedical Option University of Minnesota – Twin Cities, Institute of Technology, Minneapolis, MN

## POSTGRADUATE TRAINING

Fellowship	2015 – 2016	Critical Care Medicine Pennsylvania State University Milton S. Hershey Medical Center, Hershey, PA
Residency	2011 – 2015	Anesthesiology, Integrated Four-Year Program Pennsylvania State University Milton S. Hershey Medical Center, Hershey, PA
Internship	2011 – 2012	Recognition of PGY-1 (OGME1) Year by American Osteopathic Association American Osteopathic Association Program and Training Review Council

## MEDICAL LICENSURE

2014 – Present	Pennsylvania, State Board of Osteopathic Medicine (Unrestricted), #OS016972
2011 – Present	National Provider Identifier (NPI), Anesthesiology, NPI Registry #1629362827
2011 – 2016	Pennsylvania, State Board of Osteopathic Medicine (Training), #OT014138

## BOARD CERTIFICATIONS

2017 – Present	Perioperative Transesophageal Echocardiography (PTE-B), National Board of Echocardiography Basic Level Certification in 2017, Certificate #2016-00031201
2016 – Present	Critical Care Medicine (D.ABA), American Board of Anesthesiology Primary Certification in 2016, Certificate #54753
2016 – Present	Anesthesiology (D.ABA), American Board of Anesthesiology Primary Certification in 2016, Certificate #54753

## ADDITIONAL CERTIFICATIONS

2015 – Present	Basic Life Support Provider (BLS), American Heart Association
2013 – Present	ACLS Experienced Provider (ACLS-EP) National Faculty, American Heart Association
2011 – Present	Advanced Trauma Life Support (ATLS) For Doctors, American College of Surgeons
2007 – Present	Pediatric Advanced Life Support Instructor (PALS-I), American Academy of Pediatrics
2005 – Present	Advanced Cardiac Life Support Instructor (ACLS-I), American Heart Association
2004 – Present	Open Water SCUBA Diver, Scuba Schools International
2007 – 2017	Cardiac Device Specialist (IBHRE), International Board of Heart Rhythm Examiners
2005 – 2015	Basic Life Support Instructor (BLS-I), American Heart Association

## **WORK HISTORY**

- Aug 2016 – Present     Physician Anesthesiologist  
Anesthesia Associates of Lancaster, Lancaster, PA
- Apr 2014 – Present     Director: TrueLearn Anesthesiology Comprehensive Board Review  
TrueLearn, Pittsburgh, PA
- Oct 2010 – Jul 2011     Director: Combank Osteopathic Medicine Comprehensive Board Review  
TrueLearn (Formerly Test Weapon), Pittsburgh, PA
- Jan 2006 – Aug 2007     Software Engineer: Medical Devices  
Medtronic Cardiac Rhythm Disease Management, Fridley, MN
- Feb 2003 – Mar 2006     Communications Supervisor: Emergency Medical Services  
University of Minnesota Emergency Medical Service, Minneapolis, MN
- Jun 2005 – Dec 2005     Quality Assurance Engineer Intern: Medical Devices  
Minnetronix, Saint Paul, MN
- May 2002 – Jul 2005     Emergency Department Technician  
University of Minnesota Medical Center, Minneapolis, MN
- Feb 2003 – Feb 2004     Phlebotomist: Plasma Donation Center  
ZLB Bioservices (Formerly Aventis), Minneapolis, MN
- May 2002 – Sep 2002     Electrical Engineering Intern  
Alliant Techsystems, Plymouth, MN
- Nov 2001 – May 2002     Electronics Technician: Medical Devices  
University of Minnesota Psychiatry Research, Minneapolis, MN

## **PUBLICATIONS (REFERRED)**

1. Answine JF, **Lamberg JJ**. In response: Interdisciplinary intraoperative communication and collaboration needed for optimal neuromuscular blockade management. *Journal of Anaesthesiology Clinical Pharmacology*. 2014 Jul;30(3):443-4. doi: 10.4103/0970-9185.137302. PMID 25190971.
2. **Lamberg JJ**, Adhikary SD, McFadden AT. Osteopathic Musculoskeletal Examination And Spinal Anesthesia In A Patient With Severe Scoliosis. *Journal of the American Osteopathic Association*. 2014 Jul;114(7):582-5. doi: 10.7556/jaoa.2014.112. PMID 25002451.
3. **Lamberg JJ**, Donahue KS. Near-Complete Upper Airway Obstruction From A Grape. *Anesthesiology*. 2015 Feb;122(2):435. doi: 10.1097/ALN.000000000000091. PMID 24304711.
4. **Lamberg JJ**, Answine JF. A Surgeon's Assessment of Inadequate Neuromuscular Antagonism In A Case of Prolonged Neuromuscular Blockade. *Journal of Anaesthesiology Clinical Pharmacology*. 2013;29(2):244-7. doi: 10.4103/0970-9185.111654. PMID 23878451.
5. **Lamberg JJ**, Cherian VT. Neuraxial Anesthesia In CADASIL Syndrome. *Journal of Neurosurgical Anesthesiology*. 2013 Apr;25(2):216. doi: 10.1097/ANA.0b013e3182836086. PMID 23461972.
6. **Lamberg JJ**, Farbaniec M, Kuperman EF. Massive Paraesophageal Hernia Mimicking Pulmonary Embolus. *Journal of General Internal Medicine*. 2013;28(9):1241. Epub 2013 Feb 13. doi: 10.1007/s11606-013-2353-0. PMID 23404200.

7. **Lamberg JJ**, Gordin VN. Serotonin Syndrome in a Patient with Chronic Pain Polypharmacy. *Pain Medicine*. Pain Med. 2014 Aug;15(8):1429-31. Epub 2012 Aug 23. doi: 10.1111/j.1526-4637.2012.01468.x. PMID 22925399.

### **PUBLICATIONS (BOOK CHAPTERS)**

1. **Lamberg JJ**. Emergency Medications. In: Principles of Paramedic Care, 1st Ed. Navarro, K. Philadelphia: F. A. Davis, approx. 150 pages (currently in editorial review).

### **PUBLICATIONS (NON-REFERRED)**

1. **Lamberg JJ**. Axillary Central Venous Cannulation For Cardiac Surgery (Article and Procedural Video). *Journal of Lancaster General Hospital*. Summer 2017.

2. **Lamberg JJ**, Verbeek TA. Practice Advisory: Difficult Airway Communication. Penn State Milton S. Hershey Medical Center 2016.

3. Bilko AF, **Lamberg JJ**, CME: Management of the Patient with Amniotic Fluid Embolism. *Anesthesiology News*. 2015;June:16.

4. **Lamberg JJ**, Malhotra AK, McAlevy ME. Intracardiac Epinephrine Injection During Open Thoracotomy and Circulatory Arrest. *Journal of Anesthesia & Clinical Research*. 2013;4(7):341. doi: 10.4172/2155-6148.1000341.

5. **Lamberg JJ**, Sathishkumar S. Practice Advisory: Cephalosporin Antibiotic Use In Patients With Reported Penicillin Allergy. Penn State Milton S. Hershey Medical Center 2013.

6. **Lamberg JJ**, Yoo LJ. Letter To The Editor: Swab All Vials With Alcohol. *Anesthesia Patient Safety Foundation Newsletter*. 2012;Fall:33.

### **CLINICAL REFERENCE ARTICLES**

1. **Lamberg JJ**. Advanced Cardiac Life Support (ACLS): Asystole/PEA. *Medscape Reference*. Published March 21, 2014. Revision March 2018 (pending). Available at: <http://emedicine.medscape.com/article/2172100-overview>

2. **Lamberg JJ**. Advanced Cardiac Life Support (ACLS): Bradycardia. *Medscape Reference*. Published March 21, 2014. Revision March 2018 (pending). Available at: <http://emedicine.medscape.com/article/2172085-overview>

3. **Lamberg JJ**. Advanced Cardiac Life Support (ACLS): Tachycardia. *Medscape Reference*. Published March 21, 2014. Revision March 2018 (pending). Available at: <http://emedicine.medscape.com/article/2172112-overview>

4. **Lamberg JJ**. Advanced Cardiac Life Support (ACLS): VF/VT Arrest. *Medscape Reference*. Published March 21, 2014. Available at: <http://emedicine.medscape.com/article/2172091-overview>

5. **Lamberg JJ**. Pediatric Advanced Life Support (PALS): Asystole/PEA. *Medscape Reference*. Published March 21, 2014. Revision March 2018 (pending). Available at: <http://emedicine.medscape.com/article/2066758-overview>

6. **Lamberg JJ**. Pediatric Advanced Life Support (PALS): Bradycardia. *Medscape Reference*. Published March 21, 2014. Revision March 2018 (pending). Available at: <http://emedicine.medscape.com/article/2066778-overview>

7. **Lamberg JJ**. Pediatric Advanced Life Support (PALS): Tachycardia. *Medscape Reference*. Published March 21, 2014. Revision March 2018 (pending). Available at: <http://emedicine.medscape.com/article/2066794-overview>

8. **Lamberg JJ**. Pediatric Advanced Life Support (PALS): VF/VT Arrest. *Medscape Reference*. Published March 21, 2014. Available at: <http://emedicine.medscape.com/article/2066765-overview>

9. **Lamberg JJ**. Neonatal Advanced Life Support (NALS). *Medscape Reference*. Published March 21, 2014. Revision March 2018 (pending). Available at: <http://emedicine.medscape.com/article/2172079-overview>

10. **Lamberg JJ.** Basic Life Support (BLS): Adult. *Medscape Reference*. Published March 21, 2014. Revision March 2018 (pending). Available at: <http://emedicine.medscape.com/article/2172066-overview>
11. **Lamberg JJ.** Basic Life Support (BLS): Pediatric. *Medscape Reference*. Published March 21, 2014. Revision March 2018 (pending). Available at: <http://emedicine.medscape.com/article/2058889-overview>
12. **Lamberg JJ.** Rapid Sequence Induction And Intubation. *Medscape Reference*. Published March 21, 2014. Revision March 2018 (pending). Available at: <http://emedicine.medscape.com/article/2172130-overview>
13. **Lamberg JJ.** Mallampati Classification. *Medscape Reference*. Published March 21, 2014. Revision March 2018 (pending). Available at: <http://emedicine.medscape.com/article/2172419-overview>
14. **Lamberg JJ.** Local And Topical Anesthetics. *Medscape Reference*. Published March 21, 2014. Revision March 2018 (pending). Available at: <http://emedicine.medscape.com/article/2172060-overview>
15. **Lamberg JJ.** Light's Criteria. *Medscape Reference*. Published March 21, 2014. Available at: <http://emedicine.medscape.com/article/2172232-overview>

### **INVITED LECTURES**

- 2014                      **Lamberg JJ**, Budde AO. Oral Presentation and Simulation Session.  
 “Airway Management and Airway Exchange Techniques”  
 ASA Technologists and Technicians Regional Conference, August 24, Hershey, PA, USA

### **EDITORIAL ASSISTANCE**

- 2016                      Invited Reviewer. Journal of Multidisciplinary Healthcare.  
 “Clinical Osteopathic Observation of Patients with Left-Ventricular Assistance Devices”
- 2014                      Invited Reviewer. Aperito Journal of Surgery and Anaesthesia.  
 “Anesthetic Considerations for a Patient with Intralobar Pulmonary Sequestration”

### **CONFERENCES AND WORKSHOPS**

- 2016                      Horst M, **Lamberg JJ**. Poster Presentation.  
 “Colovesical Fistula Leading to Hyperchloremic Metabolic Acidosis and Acute Kidney Injury”  
 American Society of Anesthesiologist Conference, October 22, Chicago, IL, USA
- 2015                      **Lamberg JJ**, Anson JA. Poster Presentation.  
 “Emergency Airway Management of an Obtunded Patient With an In-Situ Tracheal T-Tube”  
 American Society of Anesthesiologist Conference, October 24, San Diego, CA, USA
- 2015                      **Lamberg JJ**, Pilipovic M. Poster Presentation.  
 “Arrhythmia During Transversus Abdominis Plane Block With EXPAREL”  
 Pennsylvania Anesthesiology Resident Research Conference, May 9, Philadelphia, PA, USA
- 2015                      **Lamberg JJ**, Mooney JJ. Poster Presentation.  
 “Attempts At Breaching A Fingerprint-Secured Automated Medication Dispenser”  
 Penn State Hershey Medical Center Resident Research Day, May 7, Hershey, PA, USA
- 2014                      **Lamberg JJ**, Caldwell JC, Gordin VN. Poster Presentation.  
 “Serotonin Syndrome and Chronic Pain Polypharmacy”  
 Penn State Hershey Medical Center Resident Research Day, May 23, Hershey, PA, USA
- 2014                      **Lamberg JJ**, Later SD, Satishkumar S, Kodavatiganti R. Poster Presentation.  
 “Takotsubo Cardiomyopathy Prior To Induction of General Anesthesia”  
 Pennsylvania Anesthesiology Resident Research Conference, May 10, Pittsburgh, PA, USA

- 2013 **Lamberg JJ**, Malhotra AK, McAlevy ME. Poster Presentation.  
“Beyond Pulp Fiction: Intracardiac Epinephrine Injection During Circulatory Arrest”  
Penn State Hershey Medical Center Resident Research Day, May 14, Hershey, PA, USA
- 2013 **Lamberg JJ**, Kodavatiganti R. Poster Presentation - First Place Award.  
“The Role of Intraoperative TEE in Trauma of Questionable Mechanism of Injury”  
Pennsylvania Anesthesiology Resident Research Conference, May 11, Philadelphia, PA, USA
- 2012 Pott LM, **Lamberg JJ**. Oral Presentation.  
“Difficult Airway Simulator”  
Society for Airway Management Annual Scientific Meeting, September 22, Toronto, ON, Canada
- 2012 **Lamberg JJ**, Farbaniec M, Kuperman EF. Oral Presentation.  
“Bowel Beyond Borders: A Massive Paraesophageal Hernia Mimicking A Pulmonary Embolism”  
Society for General Internal Medicine Annual Meeting, May 12, Orlando, FL, USA
- 2005 **Lamberg JJ**. Oral Presentation.  
“Medical RFID, MRI, and EMC Testing”  
International Printed Circuits Conference, June 23, Minneapolis, MN, USA

#### **AWARDS AND HONORS**

- 2015 Resident Case Conference Presentation Award, 1st Place  
Department of Anesthesiology, Penn State Hershey Medical Center, Hershey, PA
- 2014 Resident Research Publication Award, 2nd Place  
Department of Anesthesiology, Penn State Hershey Medical Center, Hershey, PA
- 2014 Resident Case Conference Presentation Award, 3rd Place  
Department of Anesthesiology, Penn State Hershey Medical Center, Hershey, PA
- 2014 Unsung Hero of Osteopathic Medicine  
American Osteopathic Association
- 2013 Resident Teaching Award  
Department of Anesthesiology, Penn State Hershey Medical Center, Hershey, PA
- 2012 Mentor Hall of Fame Inductee  
American Osteopathic Association and American Osteopathic Foundation
- 2012 Professional Practice Award  
Department of Anesthesiology, Penn State Hershey Medical Center, Hershey, PA
- 2011 Student Doctor of the Year  
Lake Erie College of Osteopathic Medicine, Erie PA
- 2011 T.O.U.C.H. Community Service Award  
Lake Erie College of Osteopathic Medicine, Erie PA
- 2010 LECOM Student Government Association Scholarship  
Lake Erie College of Osteopathic Medicine, Erie PA
- 2010 T.O.U.C.H. Community Service Award  
Lake Erie College of Osteopathic Medicine, Erie PA
- 2009 LECOM Ambassador Scholarship  
Lake Erie College of Osteopathic Medicine, Erie PA

- 2009 T.O.U.C.H. Community Service Award  
Lake Erie College of Osteopathic Medicine, Erie PA
- 2008 Student Doctor of the Month (August)  
Lake Erie College of Osteopathic Medicine, Erie PA
- 2007 Mortar Board Fellowship  
Mortar Board National Foundation
- 2004 Owen Schott Engineering Scholarship  
Institute of Technology, University of Minnesota, Minneapolis, MN
- 2003 Volunteer of the Year  
University of Minnesota Emergency Medical Services, Minneapolis, MN
- 2002 Roger Norby Engineering Scholarship  
Institute of Technology, University of Minnesota, Minneapolis, MN
- 2001 ATK Foundation Scholarship  
Alliant Techsystems, Minneapolis, MN

### **TEACHING AND EDUCATION: PRESENTATIONS**

- 2017 Educational Lecture  
“Practical Thoracic Anesthesia”  
Department of Anesthesiology, Lancaster General Hospital, November 2017
- 2017 Educational Lecture  
“Corneal Abrasions: MACRA, MIPS, AQI NACOR”  
Department of Anesthesiology, Lancaster General Hospital, September 2017
- 2017 Educational Lecture  
“FCCS: Airway Management”  
Fundamental Critical Care Support, Lancaster General Hospital, September 2017
- 2017 Educational Lecture  
“Anesthetic Pharmacology For Trauma”  
Department of Anesthesiology, Lancaster General Hospital, August 2017
- 2017 Educational Lecture and Workshop  
“Ultrasound For Vascular Access”  
Department of Anesthesiology, Lancaster General Hospital, July 2017
- 2017 Educational Lecture  
“Trauma Airway Guideline and Rapid Sequence Induction Review”  
Department of Anesthesiology, Lancaster General Hospital, June 2017
- 2017 Educational Lecture  
“FCCS: Airway Management”  
Fundamental Critical Care Support, Lancaster General Hospital, February 2017
- 2017 Educational Lecture  
“Review of Thoracic Anesthesia”  
Department of Anesthesiology, Lancaster General Hospital, January 2017
- 2015 Case Presentation  
“Airway Emergency: Tracheal Stent”  
Department of Anesthesiology, Penn State Hershey Medical Center, May 2015

- 2014 Case Presentation  
“Arrhythmia During Transversus Abdominis Plane Block Using Liposomal Bupivacaine”  
Department of Anesthesiology, Penn State Hershey Medical Center, August 2014
- 2014 Journal Club Presentation  
“Perioperative Gabapentinoids”  
Department of Anesthesiology, Penn State Hershey Medical Center, January 2014
- 2013 Brief Oral Presentation  
“Fact Or Fiction? Bag-Valve-Mask Devices: Spontaneous Breathing And Preoxygenation”  
Department of Anesthesiology, Penn State Hershey Medical Center, November 2013
- 2013 Case Presentation  
“Emergency Appendectomy”  
Department of Anesthesiology, Penn State Hershey Medical Center, September 2013
- 2013 Brief Oral Presentation  
“Cephalosporin Use In Patients With Reported Penicillin Allergy”  
Department of Anesthesiology, Penn State Hershey Medical Center, February 2013
- 2013 Case Presentation  
“Pediatric Airway Emergency”  
Department of Anesthesiology, Penn State Hershey Medical Center, February 2013
- 2013 Brief Oral Presentation  
“Fact Or Fiction? The Best Method For Preventing Propofol Burn Is...”  
Department of Anesthesiology, Penn State Hershey Medical Center, February 2013
- 2012 Case Presentation  
“Transesophageal Echocardiography in Trauma”  
Department of Anesthesiology, Penn State Hershey Medical Center, December 2012
- 2012 Case Presentation  
“Venous Air Embolism During Sitting Craniotomy”  
Department of Anesthesiology, Penn State Hershey Medical Center, November 2012
- 2012 Journal Club Presentation  
“Managing Fresh Gas Flow To Reduce Environmental Contamination”  
Department of Anesthesiology, Penn State Hershey Medical Center, October 2012
- 2012 Case Presentation  
“Post-Operative Corneal Abrasions”  
Department of Anesthesiology, Penn State Hershey Medical Center, August 2012

### **TEACHING AND EDUCATION: AMERICAN HEART ASSOCIATION**

- 2014 Medical Director, Advanced Cardiac Life Support Experienced Provider Course  
National Association of EMS Educators Annual Meeting, September 16-17, Reno, NV, USA
- 2013 Invited Instructor, Advanced Cardiac Life Support Experienced Provider Course  
American Heart Association Regional Meeting, June 17-18, Atlanta, GA, USA
- 2013 Invited Instructor, Advanced Cardiac Life Support Experienced Provider Course  
American Heart Association Regional Meeting, April 11-12, Saint Louis, MO, USA

## **TEACHING AND EDUCATION: RESIDENT PHYSICIANS**

Sep 2015	Ultrasound Guided Vascular Assessment And Central Line Catheterization
Sep 2015	Anesthesia PGY-1/2 Residents: Trauma – Airway Management In Hypovolemia
Aug 2015	Anesthesia PGY-1 Residents: Objective Structured Clinical Examination
Jul 2014	Anesthesia PGY-1 Residents: Objective Structured Clinical Examination
Jun 2014	Anesthesia PGY-1 Residents: New Resident Orientation
May 2014	Anesthesia PGY-2 Residents: Objective Structured Clinical Examination
Jun 2013	Anesthesia PGY-1 Residents: New Resident Orientation
Sep 2012	Anesthesia PGY-1 Residents: Final Objective Structured Clinical Examination

## **TEACHING AND EDUCATION: MEDICAL STUDENTS**

May 2016	PSUCOM Medical Student Workshop: Venipuncture And Intravenous Access
Oct 2015	PSUCOM Medical Student Workshop: Cardiopulmonary Resuscitation
May 2014	PSUCOM Surgery Clerkship Lecture: Anesthesia And Perioperative Complications
Apr 2014	PSUCOM Surgery Clerkship Workshop: Advanced Cardiac Life Support Simulation Session
Mar 2014	PSUCOM Anesthesia Clerkship Workshop: Introduction To Anesthesiology
Jul 2013	PSUCOM Anesthesia Clerkship Workshop: Advanced Cardiac Life Support Simulation Session
Jul 2013	PSUCOM Surgery Clerkship Lecture: Anesthesia And Perioperative Complications
Jun 2013	PSUCOM Medical Student Workshop: Venipuncture And Intravenous Access
Mar 2013	PSUCOM Anesthesia Clerkship Workshop: Airway Management Simulation Session
Feb 2013	PSUCOM Anesthesia Clerkship Workshop: Advanced Cardiac Life Support Simulation Session
Nov 2012	PSUCOM Anesthesia Clerkship Workshop: Advanced Cardiac Life Support Simulation Session
Sep 2012	PSUCOM Anesthesia Clerkship Workshop: Advanced Cardiac Life Support Simulation Session
Apr 2012	PSUCOM Anesthesia Clerkship Workshop: Airway Management Simulation Session

## **QUALITY IMPROVEMENT PROJECTS**

2017 – 2018	Perioperative Corneal Abrasions Protocol Department of Anesthesiology, Lancaster General Hospital
2017 – 2018	Airway Management Trauma Guideline (Full Revision) Trauma and Acute Care Surgery, Lancaster General Hospital
2014 – 2016	Anesthesia Intensive Care Unit Progress Note Template Interdisciplinary Critical Care Committee, Penn State Hershey Medical Center
2015 – 2016	Anesthesia Intensive Care Unit Admission Order Set Interdisciplinary Critical Care Committee, Penn State Hershey Medical Center
2015 – 2016	Anesthesia Intraoperative Blood Management Order Set Clinical Informatics and Analytics Committee, Penn State Hershey Medical Center
2013 – 2014	Adult Endotracheal Intubation Order Set Interdisciplinary Critical Care Committee, Penn State Hershey Medical Center
2013 – 2014	Anesthesia Hospital Charges (Electronic Form Update) Department of Anesthesiology, Penn State Hershey Medical Center
2012 – 2012	Difficult Airway Letter (Form Update) Department of Anesthesiology, Penn State Hershey Medical Center
2012 – 2013	Perioperative Sharps Education (Flyer And Guidelines Update) Department of Safety, Penn State Hershey Medical Center



## **PROFESSIONAL AFFILIATIONS**

2012 – Present	Society of Critical Care Anesthesiologists (SOCCA)
2012 – Present	Society of Critical Care Medicine (SCCM)
2010 – Present	International Anesthesia Research Society (IARS)
2010 – Present	Society for Technology in Anesthesia (STA)
2010 – Present	Pennsylvania Society of Anesthesiologists (PSA)
2009 – Present	American Society of Anesthesiologists (ASA)
2007 – Present	American Medical Association (AMA)
2007 – Present	American Osteopathic Association (AOA)
2009 – 2017	American Osteopathic College of Anesthesiologists (AOCA)
2008 – 2017	American Heart Association (AHA) Council on Cardiopulmonary, Preoperative, and Critical Care
2001 – 2017	IEEE Engineering in Medicine and Biology (EMB) Society
2011 – 2016	Society for Airway Management (SAM)
2010 – 2016	Society for Education in Anesthesia (SEA)

## **ORGANIZATIONAL ACTIVITIES: HOSPITAL COMMITTEES**

2017 – Present	Blood Utilization Review Committee Lancaster General Hospital
2017 – Present	Trauma Program Liaison (Department of Anesthesiology) Lancaster General Hospital
2014 – 2016	Adult Code Blue Standardization Committee Penn State Hershey Medical Center
2014 – 2016	Adult Resuscitation Council Penn State Hershey Medical Center

## **ORGANIZATIONAL ACTIVITIES: DEPARTMENTAL COMMITTEES**

2012 – 2016	Medical Student Education Committee Department of Anesthesiology, Penn State Hershey Medical Center
2012 – 2016	Handoff Communications Committee Department of Anesthesiology, Penn State Hershey Medical Center
2011 – 2016	Clinical Informatics and Analytics Committee Department of Anesthesiology, Penn State Hershey Medical Center
2011 – 2016	Internet Solutions Committee Department of Anesthesiology, Penn State Hershey Medical Center

## **ACTIVITIES AND VOLUNTEERING**

2013 – 2017	National Resource Volunteer Emergency Cardiovascular Care Science Committee, American Heart Association
2011 – 2016	Volunteer Instructor for ACLS, PALS, and BLS Courses Penn State Hershey Medical Center, Hershey, PA
2011 – 2016	Software Developer and Lead Editor Sepsis Guide Mobile Surviving Sepsis Application for Apple iOS

2010 – 2011	Volunteer Instructor for ACLS, PALS, and BLS Courses UPMC Hamot Medical Center, Erie, PA
2008 – 2011	Volunteer Instructor for Paramedic, EMT, ACLS, PALS, and CPR Courses EmergyCare Inc., Erie, PA
2011 – 2017	Software Developer and Lead Editor Pain Guide Mobile Pain Management Application for Apple iOS
2010	Volunteer Instructor for EMT, ACLS, and BLS Distance Education Allied Medical Training, Minneapolis, MN
2010 – Present	Software Developer and Lead Editor Gas Guide Mobile Anesthesia Application for Apple iOS
2009 – Present	Software Developer and Lead Editor OMM Guide Mobile Osteopathic Application for Apple iOS
2008 – 2009	Independent Study Pathway Representative Lake Erie College of Osteopathic Medicine, Erie, PA
2008 – 2009	Student Ambassador Lake Erie College of Osteopathic Medicine, Erie, PA
2006 – 2008	National Section Coordinator Mortar Board National Senior Honor Society
2006	Camp Counselor Camp Odayin for Children with Heart Disease
2006	National Conference Ambassador Mortar Board National Senior Honor Society
2005 – 2006	President University of Minnesota Chapter of Mortar Board National Senior Honor Society
2004 – 2007	Member National Associations of Emergency Medical Services Educators (NAEMSE)
2003 – 2006	Member Eta Kappa Nu (HKN) International Electrical Engineering Honor Society
2002 – 2013	Nationally Registered Emergency Medical Technician Advanced (EMT-I) National Registry of Emergency Medical Technicians
2001 – 2006	Volunteer Emergency Medical Technician University of Minnesota Emergency Medical Services, Minneapolis, MN
2001	National Competition Team Member FIRST Robotics, Orlando, FL