

CHRISTOPHER “KIT” TAINTER, MD, RDMS

Professional Experience

Assistant Professor, Department of Emergency Medicine

University of Oklahoma School of Community Medicine, Tulsa, OK (2011-2013)
Assistant Residency Director (2011-2013)
Medical Student Clerkship Director (2011-2013)

Assistant Clinical Professor, Department of Emergency Medicine and Department of Anesthesiology, Division of Critical Care

University of California, San Diego, San Diego, CA (2014-2017)

Associate Clinical Professor, Department of Anesthesiology, Division of Critical Care and Department of Emergency Medicine

University of California, San Diego, San Diego, CA (2017-present)
Director, ED Advanced Resuscitation Training (2014-present)
Director, Anesthesia Critical Care Ultrasound (2016-present)
Fellowship Director, EM/ACCM Fellowship (2017-present)

Training and Education

Bachelor of Science in Engineering (with College Honors)

University of Washington, Seattle, WA (1998-2002)
Major: Interdisciplinary Bioengineering
Minors: Chemistry and Mathematics

Doctor of Medicine

University of Washington School of Medicine, Seattle, WA (2003-2007)

Residency in Emergency Medicine

The Mount Sinai School of Medicine, New York, NY (2007-2011)
Senior Specialty Track in Critical Care and Ultrasound

Registered Diagnostic Medical Sonographer

Concurrent with residency training (completed June, 2011)

Fellowship in Anesthesia Critical Care Medicine

Harvard Medical School/Massachusetts General Hospital, Boston, MA (2013-2014)

Educational Programs

Basic Wilderness Medicine Course (Wilderness Medicine Society) (Boise, ID, 2004)
Sexual Assault Forensic Examiner Training (New York, NY, Sept, 2009)
Residency Leadership Track, Council of Emergency Medicine Residency Directors Academic Assembly (Atlanta, GA, Mar 31- Apr 4, 2012)
Clerkship Director Track, Council of Emergency Medicine Residency Directors Academic Assembly (Denver, CO, March 5-9, 2013)
Navigating Academic Waters, Society for Academic Emergency Medicine Annual Meeting (Atlanta, GA, May 14-18, 2013)
American College of Chest Physicians Advanced Echocardiography Course (New York, NY, May 31- June 2, 2013)
Harvard Introduction to Clinical Investigation (Cambridge, MA, Oct 7-11, 2013)
Harvard Macy Program for Educators in Health Professions (Cambridge, MA, Dec 7-9, 2013)

Committees/Service

Clinical Pathways Committee, University of Oklahoma Department of Emergency Medicine (2011-2013)



Director for ED Advanced Resuscitation Training, UCSD (2014-present)
UCSD Code Blue Committee (2014-present)
UCSD Infectious Disease Care Unit (Ebola) Response Team (2014-2015)
UCSD Department of Emergency Medicine Education Committee (2014-present)
UCSD Dept of Emergency Medicine Clinical Operations Committee (2016-present)
UCSD Post-Arrest Care Task Force (2015-present)
UCSD Extracorporeal Life Support Committee (2015-present)
UCSD Physician Assessment and Clinical Education (PACE) Program (Instructor) (2015-present)
Director for ACCM Critical Care Ultrasound Education (2016-present)

Additional Experience

Hospital Assistant, University of Washington Medical Center (2002-2003)
Rural/Underserved Opportunity Program (Chewelah, WA, 2004)
Visiting Physician, Barcelona, Spain (July 29 – Aug 26, 2008)
Medical Staff, Four Leaf Fifteens Annual Rugby Tournament (2007-2010)
Stadium Physician, Citi Field (New York Mets) (2008-2011)
Webmaster: EM Guidelines (<http://www.emguidelines.com>) (2010-present)
Physician Volunteer, Project Medishare, Port-au-Prince, Haiti (May 15-22, 2010)
Departmental Ultrasound Quality Control Committee (2010-11)
MSSM Emergency and Critical Care Ultrasound CME Conference (Instructor) (March 7, 2011)
FDNY EMS Rescue Paramedic Unit Ultrasound Training (Instructor) (New York, NY, 2011)
OU School of Community Medicine Bedlam Clinic (2011-2013)
Oklahoma Highway Patrol Urban Search and Rescue Team Cadaver Lab (Instructor) (Tulsa, OK, 2012-2013)
Professor, Resuscitation Leadership Academy (<http://www.resusleadershipacademy.com>) (2015-present)
International Conference on Emergency Medicine and Public Health Airway Workshop (Instructor) (Doha, Qatar, 2016)
Visiting Professor, Department of Emergency Medicine, Hamad General Hospital, Doha, Qatar (Jan, 2016)

Certification and Licensure

Certified Sexual Assault Forensic Examiner (New York Academy of Medicine) (Sept, 2009)
Advanced Trauma Life Support Certified (valid until 10/22/2018)
Registered Diagnostic Medical Sonographer, Number 155807 (2011-present)
CA Medical License, Number A131390 (valid until 7/31/2017)
Board Certification in Emergency Medicine, American Board of Emergency Medicine (June 5, 2012 - Dec 31, 2022)
Board Certification in Anesthesia Critical Care Medicine, American Board of Emergency Medicine/American Board of Anesthesiology (Sept 14, 2016 - Dec 31, 2026)

Research and Publications

Original Research

- ✦ Nuckley DJ, Hertsted S, **Tainter CR**, Ku G, Eck M, Ching RP. Compressive Tolerance of the Maturing Cervical Spine. *Stapp Car Crash J.* 2002 Nov;46:431-440.
- ✦ Smith L, **Tainter C**, Regnier M, Martyn DA. Cooperative Cross-Bridge Activation of Thin Filaments Contributes to the Frank-Starling Mechanism in Cardiac Muscle. *Biophys J.* 2009 May 6;96(9):3692-3702. PMID: 19413974.



- ✦ Arthur AO, Whiteside S, Brown LE, Minor C, **Tainter CR**, Thomas SH. Patient use of tablet computers to facilitate Emergency Department pain assessment and documentation. *ISRN Emergency Medicine* (electronic text). 2012: Article ID 254530, 6 pages.
- ✦ **Tainter CR**, Levine AR, Butterly AD, Stahl DA, Eikermann M, Kaafarani HM, Lee J. Noise levels in surgical intensive care units are consistently above recommended standards. *Critical Care Medicine* 2016; 44(1):147-152. PMID: 26457750.
- ✦ Mueller N, Murthy S, **Tainter CR**, Lee J, Richard K, Fintelmann F, Grabitz S, Timm FP, Levi B, Kurth T, Eikermann M. Can Sarcopenia Quantified by Ultrasound of the Rectus Femoris Muscle Predict Adverse Outcome of Surgical Intensive Care Unit Patients as well as Frailty? A Prospective, Observational Cohort Study. *Ann Surg* 2016; 264(6):1116-1124. PMID: 26655919.
- ✦ **Tainter CR**, Wong NL, Cudemus-Deseda GA, Bittner EA. The “Flipped Classroom” Model for Teaching in the ICU: Rationale, Practical Considerations and an Example of Successful Implementation. *Journal of Intensive Care Medicine*. 2017 Mar;32(3):187-196. PMID: 26912409
- ✦ Bellani G, et al.; **LUNG SAFE Investigators**; ESICM Trials Group. Epidemiology, Patterns of Care, and Mortality for Patients with Acute Respiratory Distress Syndrome in Intensive Care Units in 50 Countries. *JAMA*. 2016 Feb 23;315(8):788-800. PMID: 26903337
- ✦ Laffey JG, et al.; **LUNG SAFE Investigators** and the ESICM Trials Group. Potentially modifiable factors contributing to outcome from acute respiratory distress syndrome: the LUNG SAFE study. *Intensive Care Med*. 2016 Oct 18. PMID: 27757516
- ✦ Bellani G, et al.; **LUNG SAFE Investigators** and the ESICM Trials Group. Non-invasive Ventilation of Patients with ARDS: Insights from the LUNG SAFE Study. *Am J Respir Crit Care Med*. 2016 Oct 18. PMID: 27753501
- ✦ Seethala RR, Blackney K, Hou P, Kaafarani HMA, Yeh DD, Aisiku I, **Tainter C**, deMoya M, King D, Lee J. The Association of Age With Short-Term and Long-Term Mortality in Adults Admitted to the Intensive Care Unit. *J Intensive Care Med*. 2017 Oct;32(9):554-558. PMID: 27402394.
- ✦ **Tainter CR**, Gentges JA, Thomas SH, Burns BD. Can Emergency Medicine Residents Predict Cost of Diagnostic Testing? *West J Emer Med* 2017 Jan;18(1):159-162. PMID: 28116030
- ✦ **Tainter CR**, Nguyen AP, Pollock KA, O’Brien EO, Lee J, Schmidt U, Jahanasouz F, Owens RL, Meier A. The impact of a daily “medication time out” in the Intensive Care Unit. *Journal of Critical Care*, 2017. PMID: 28939276
- ✦ Wardi G, Villar J, Nguyen T, Vyas A, Pokrajac N, Minokadeh A, Lasoff D, **Tainter CR**, Beitler JR, Sell RE. Factors and outcomes associated with inpatient cardiac arrest following emergent endotracheal intubation. *Resuscitation* 2017.121:76-80.

Abstracts

- ✦ Nuckley DJ, Hertsted S, **Tainter CR**, Ching RP. Compressive Biomechanics of Fracture and Neurologic Integrity in the Pediatric Spine (Abstract). *Fourth World Congress of Biomechanics*. Calgary, Alberta, Canada, Aug 4-9, 2002.
- ✦ Martyn DA, Smith L, **Tainter C**, Regnier M. Effects of Force Inhibition on Length Dependent Activation in Fast and Slow Skeletal Muscle Fibers (Abstract). *Biophys J*. 2003 Feb;84(2):570A.
- ✦ **Tainter CR**, Rabin E. Emergency Medicine in Spain: A Perspective from Barcelona (Poster/Abstract). *Fifth Mediterranean Emergency Medicine Congress*, Valencia, Spain, Sept 14-17, 2009.
- ✦ **Tainter CR**, Phillips M, Arthur AO, Hatfield J, Howard Z, Shear M, Kadzielski JL, Vrahas MS, Thomas SH. Time Savings by Rapid EMS Antibiotic Therapy for Fractures: TREAT Fx (Oral Abstract Presentation). Society for Academic Emergency Medicine Western Regional Scientific Assembly. Las Vegas, NV. Mar 16-17, 2012.
- ✦ **Tainter CR**, Burns BD, Gentges JA, Swope M, Arthur AO. Systems Based Practice and Cost Awareness: Can EM Residents Accurately Predict the Cost of Common ED Lab Tests? (Oral Abstract Presentation) Society for Academic Emergency Medicine Western Regional Scientific Assembly. Las Vegas, NV. Mar 16-17, 2012.



- ✦ **Tainter CR**, Snell J, Soliman CE, Arthur AO, Lawson K, Thomas SH. Can Emergency Medicine Residents Detect Coronary Calcium on Cardiac CTs? (Oral Abstract Presentation) Society for Academic Emergency Medicine Western Regional Scientific Assembly. Las Vegas, NV. Mar 16-17, 2012.
- ✦ Burns BD, Hatfield J, **Tainter CR**, Arthur AO. The Cost of Doing Business: Can Emergency Medicine Residents Accurately Predict the Cost of Common Radiology Exams and Laboratory Tests? (Poster/Abstract) *Annals of Emergency Medicine*. 2012;60(4):S148.
- ✦ Burns BD, **Tainter CR**, Gentges JA, Swope M, Arthur AO. Systems Based Practice and Cost Awareness: Can EM Residents Accurately Predict the Cost of Common ED Lab Tests? (Poster/Abstract) *Annals of Emergency Medicine*. 2012;60(5):S175-6.
- ✦ Cory B, Arthur AO, Krummel A, Holder P, **Tainter CR**, Thomas SH. Patient Perceptions of Electronic Medical Record Data Entry Methods (Abstract). *Academic Emergency Medicine*. 2013;20(5):S289.
- ✦ **Tainter CR**, Cudemus G, Bittner EA. Implementing a “Flipped Classroom” Approach to Teaching Bedside Echocardiography in a Surgical Intensive Care Unit (Poster/Abstract). *Critical Care Medicine* 2014;42(12): A1434.
- ✦ **Tainter CR**, Quraishi SA, Levine A, Lee J. Effect of an Overnight “Quiet Time” Program on Ambient Noise Levels in the Surgical Intensive Care Unit (Poster/Abstract). *Critical Care Medicine* 2014;42(12): A1566.
- ✦ Zhao K, Ladha K, Quraishi S, **Tainter C**, Seethala R, Kaafarani H, Eikermann M, Lee J. Elixhauser Comorbidity Index Better Predicts ICU Mortality than Charlson Comorbidity Index (Poster/Abstract). *Critical Care Medicine* 2014;42(12): A1453.
- ✦ Mueller N, Levi B, Fintelmann FJ, Diaz-Gil D, Gianatasio CR, **Tainter CR**, Eikermann M. Frailty predicts length of stay in the intensive care unit (Abstract). Massachusetts General Hospital Research Symposium. Boston, MA. Oct 9, 2014.
- ✦ Mueller N, Murthy S, **Tainter CR**, Lee J, Richard K, Fintelmann FJ, Grabits SD, Levi B, Kurth T, Eikermann M. Can sarcopenia quantified by ultrasound of the rectus femoris muscle predict adverse outcome of surgical intensive care unit patients as well as frailty? A prospective, observational trial (Poster/Abstract). American Society of Anesthesiologists Annual Research Symposium. San Diego, CA. Oct 24-28, 2015.
- ✦ Wong NL, **Tainter CR**, Lee J, Strayer R, Scofi J, Shah KA. Post-Intubation Care in the Emergency Department Remains Sub-Optimal Despite the Introduction of an Electronic Order Set (Poster/Abstract). *Annals of Emergency Medicine*. 66 (4), S100-S101, 2015.
- ✦ Fikry K, Seethala R, Chirumamilla N, **Tainter C**, Kaafarani H, Yeh D, Raja A, Lee J. Effect of Race on ICU Mortality: A Multi-center Retrospective Cohort Study. (Poster/Abstract). *Critical Care Medicine* 2015;43(12): S79-80.
- ✦ **Tainter C**, Seethala R, Bittner E, Quraishi S, Kaafarani H, Yeh D, de Moya M, Lee J. Seasonal Variation is Not Associated with Short-term Mortality or ICU Length of Stay (Poster/Abstract). *Critical Care Medicine* 2015;43(12): S78.
- ✦ **Tainter CR**, Pollock KA, O’Brien EO, Lee J, Jahanasouz F, Meier A. Standardized Daily Medication Reconciliation in the Surgical ICU (Poster/Abstract). *Critical Care Medicine* 2016;44(12): 394. PMID: 27850912
- ✦ **Tainter CR**, Nguyen A, McMillan ZM, Meier A, Schmidt U, Pretorius GD, Adler ED, Seethala R. Emergency Department Visits with Left Ventricular Assist Devices (Poster/Abstract). *Critical Care Medicine* 2016;44(12): 139. PMID: 27849891
- ✦ Agrawal K, **Tainter CR**, Hemmen E, Botts E, Paulson D, Minokadeh A, Hemmen TM, Sell RE. Rapid Response Team Utilization for Inpatient Stroke Codes (Poster/Abstract). *Stroke* 2017;48(S1):ATP298
- ✦ Globber NK, **Tainter CR**, Brennan J, Darocki M, Klingfus M, Derksen B, Choi M, Rudolf F, Wardi G, Castillo E, Chan T. D-dimer and Clinical Assessment for Deep Vein Thromboses. Society for Academic Emergency Medicine Western Regional Scientific Assembly. Palo Alto, CA. Apr 8, 2017.



- ✦ Glocer NK, **Taiter CR**, Brennan J, Darocki M, Klingfus M, Derksen B, Choi M, Rudolf F, Castillo E, Chan T. D-Dimer Assay-Guided Moderation of Adjusted Risk Score: Improving the Specificity of the D-Dimer for Pulmonary Embolism in the Emergency Department. *Ann EM* 2017;70(4):S161.

Textbook Chapters

- ✦ **Taiter CR**. Central Cord Syndrome (Chapter). In: Shah K, Egan D, Quaas J (Eds); Essential Emergency Trauma. Philadelphia: Lippincott, Williams, Wilkins; 2011:124-126.
- ✦ **Taiter CR**, Nelson BP. Venous Access (Chapter). In: Lumlertgul S (Ed); Manual of Ultrasound-Guided Procedures. Bangkok: New Tumada, Karnpim; 2011:4-11.
- ✦ **Taiter CR**. Cellulitis (Chapter). In: Shah K, Lewiss R, and Saul T (Eds); Essential Emergency Imaging. Philadelphia: Lippincott, Williams, Wilkins; 2012:455-459.
- ✦ **Taiter CR**. Zoonotic Infections (Chapter). In: Cline DM, Ma OJ, Cydulka R, Thomas SH, Handel D, Meckler G (Eds); Tintinalli's Emergency Medicine Manual, 7th Edition. New York: McGraw-Hill; 2012:466-472.
- ✦ **Taiter CR**. Zoonotic Infections (Chapter). In: Ma OJ, Cline DM, Cydulka R, Meckler G, Handel D, Thomas SH (Eds); Tintinalli's Emergency Medicine: Just the Facts, 3rd Ed. New York: McGraw-Hill; 2012:347-352.
- ✦ **Taiter CR**. Abdominal Aorta (Chapter). In: Soni NJ, Arntfield R, Kory P (Eds); Point of Care Ultrasound. Amsterdam: Elsevier; 2015:167-173.
- ✦ **Taiter CR**, Seethala R. Head and Facial Trauma. In: Brown D, editor. Scientific American Emergency Medicine. Hamilton, ON: Decker Intellectual Properties; Sept 2015. DOI 10.2310/7900.4350.
- ✦ **Taiter CR**, Shelton K. Transfusion Medicine (Chapter). In: Wiener-Kronish (Ed); Critical Care Handbook of the Massachusetts General Hospital, 6th ed. Philadelphia: Lippincott Williams & Wilkins; 2015:515-546.
- ✦ **Taiter CR**. (various). In: Zanotti-Cavazzoni SL, Pino RM (Eds); Self-Assessment in Adult Multiprofessional Critical Care, 8th Ed. Mount Prospect, IL: Society of Critical Care Medicine; Sept 2016.
- ✦ Wardi G, **Taiter CR**. CPR with Chest Compression Alone or with Rescue Breathing (Chapter). In: Bittner EA (Ed); 50 Studies Every Intensivist Should Know. New York: Oxford University Press; 2016. (in press)
- ✦ **Taiter CR**. Post-Intubation Checklist (Chapter). In: Weingart SD (Ed); Resuscitation Crisis Manual. (accepted for publication)
- ✦ Smyres C, **Taiter CR**. Burn Analgesia (Chapter). In: Motov S, Nelson L, Strayer RJ (Eds); Management of Pain and Procedural Sedation in Acute Care. (accepted for publication)
- ✦ **Taiter CR**, Wardi G. Abdominal Aorta (Chapter). In: Soni NJ, Arntfield R, Kory P (Eds); Point of Care Ultrasound, 2nd Ed. Amsterdam: Elsevier. (accepted for publication)

Reviews/Case Reports

- ✦ **Taiter CR**. Current Guidelines for Diagnosis and Management of Syncope in the Emergency Department. *Emergency Medicine Practice Guidelines Update*. 2010;2(12):1-9.
- ✦ Parek R, Care DA, **Taiter CR**. Rhabdomyolysis: Advances in Diagnosis and Treatment. *Emerg Med Pract*. 2012 Mar;14(3):1-15. PMID: 22497086
- ✦ **Taiter CR**, Brown LE, Test VJ, Thomas ST, Gentges JA. Evidence-Based Clinical Pathway: Treatment of Pulmonary Embolism. Departmental Clinical Pathway: 9/13/2012.
- ✦ **Taiter CR**. An Evidence-Based Approach to Traumatic Pain Management in the Emergency Department. *Emerg Med Pract*. 2012 Aug;14(8):1-26. Epub 2012 Jul 20. PMID: 22916717
- ✦ Gentges JA, **Taiter CR**, Chandwaney RH. Evidence-Based Clinical Pathway: Chest pain (NSTEMI or r/o ACS). Departmental Clinical Pathway: 9/28/2012.



- ✦ Gentges JA, **Tainter CR**. Evidence-Based Clinical Pathway: Treatment of Severe Sepsis and Septic Shock. Departmental Clinical Pathway: 10/14/2012.
- ✦ Holder RP, **Tainter CR**, Test VJ, Thomas SH. Evidence-Based Clinical Pathway: Mechanical Ventilation for the Intubated Patient (Obstructive Strategy). Departmental Clinical Pathway: 11/17/2012.
- ✦ Holder RP, **Tainter CR**, Test VJ, Thomas SH. Evidence-Based Clinical Pathway: Mechanical Ventilation for the Intubated Patient (Lung-Protective Strategy). Departmental Clinical Pathway: 11/17/2012.
- ✦ Williams EA, **Tainter CR**. Guidelines for the Management of Community-Acquired Pneumonia in the Emergency Department. *Emergency Medicine Practice Guidelines Update*. 2013;5(2):1-9.
- ✦ **Tainter CR**, Bunch S, Manini AF, Sallustio S, Acharya JK. Dietary Practices Revealed with Radiography: Pictures Worth a Thousand Words. *J Emerg Med*. 2014 July;47(1):78-80. PMID: 24613224.
- ✦ **Tainter CR**, Huang AW, Strayer RJ. Fatal Pulmonary Embolization Following Negative Serial Ultrasounds. *J Emerg Medicine*. 2015 Feb;48(2):158-160. PMID: 25456776
- ✦ Woo KM, Goertz JK, Godwin SA, **Tainter CR**. Diagnosis And Management Of Deep Venous Thrombosis In The Emergency Department. *Emerg Med Pract*. 2015 Mar;17(3):1-28. PMID: 26276907
- ✦ **Tainter CR**, Wong N, Bittner EA. Innovative Strategies in Critical Care Education. *Journal of Critical Care*. 2015 Jun;30(3):550-556. PMID: 25702843
- ✦ Globler N, Burns BD, **Tainter CR**. Rapid Electrocardiogram Evolution in a Dialysis Patient. *J Emerg Medicine* 2016 Mar;50(3):497-500. PMID: 26826768
- ✦ Bellani G, et al.; **LUNG SAFE Investigators** and the ESICM Trials Group. The LUNG SAFE study: a presentation of the prevalence of ARDS according to the Berlin Definition! *Crit Care*. 2016 Sep 9;20:268. PMID: 27608629
- ✦ McMillan ZM, **Tainter CR**. An Improvement on Central Line Dressings Using an “Omental” Technique. *Anesthesia & Analgesia*. 2017. 124(5):1739. PMID: 28328751
- ✦ **Tainter CR**, Golts E. UCSD ED Acute Aortic Pathology Clinical Pathway. Departmental Clinical Pathway: Apr, 2017.

Multimedia

- ✦ Interview, KRMG Radio. Berg, Steve. “How long can ‘Tower Guy’ go without water?” Aug 16, 2011.
- ✦ Interview, Tulsa World. Muchmore, Shannon. “Two more die of West Nile virus, bringing total to seven.” Sept 5, 2012.
- ✦ Writer/Director, Procedure Video: Knee Arthrocentesis. Access EM, 2013
- ✦ Writer/Director, Procedure Video: Shoulder Arthrocentesis. Access EM, 2013
- ✦ Writer/Director, Procedure Video: Elbow Arthrocentesis. Access EM, 2013
- ✦ Writer/Director, Procedure Video: EZ-IO Insertion. Access EM, 2013
- ✦ Whelan LJ, **Tainter CR**. Intraosseous Line Placement EZ-IO [video]. AccessEmergency Medicine. Available at: <http://www.accessemergencymedicine.com/video.aspx?file=2551559776001>.
- ✦ **Tainter CR**. Resuscitation Essentials (series of educational videos). *MedMastery.com*. (in process)

Editorial Board/Journal Review

- ✦ Faculty Editor, American Academy of Emergency Medicine/Resident and Student Association, *AAEM/RSA Rules of the Road* (2011 edition, Chapter: Critical Care Fellowship)
- ✦ Abstract Judge, OU HSC Tulsa Clinical Vignettes Symposium, Apr 26, 2012
- ✦ Abstract Reviewer, American College of Emergency Physicians, ACEP Research Forum, Oct 8-9, 2012
- ✦ Abstract Reviewer, Council of Emergency Medicine Residency Directors, CORD Research Forum, Mar 6-9, 2013
- ✦ Clinical Pathological Case Presentation Judge, Council of Emergency Medicine Residency Directors, 2013
- ✦ Content Reviewer, *Access Emergency Medicine* (2012-present)



- ✦ Juror, Medical Design Excellence Awards (Los Angeles, CA, Feb 26-27, 2016)
- ✦ *Ad hoc* Reviewer, *Emergency Medicine International* (2011-present)
- ✦ *Ad hoc* Reviewer, *Internal and Emergency Medicine* (2011-present)
- ✦ *Ad hoc* Reviewer, *Emergency Medicine Practice* (2011-present)
- ✦ *Ad hoc* Reviewer, *Academic Emergency Medicine* (2012-present)
- ✦ *Ad hoc* Reviewer, *Open Access Emergency Medicine* (2012-present)
- ✦ *Ad hoc* Reviewer, *Canadian Medical Association Journal* (2012-present)
- ✦ *Ad hoc* Reviewer, *Prehospital Emergency Care* (2012-present)
- ✦ *Ad hoc* Reviewer, *BMC Anesthesiology* (2013-present)
- ✦ *Ad hoc* Reviewer, *Western Journal of Emergency Medicine* (2015-present)
- ✦ *Ad hoc* Reviewer, *Journal of Parenteral and Enteral Nutrition* (2015-present)
- ✦ *Ad hoc* Reviewer, *BMJ Open* (2015-present)
- ✦ *Ad hoc* Reviewer, *Journal of Critical Care* (2016-present)
- ✦ *Ad hoc* Reviewer, *Journal of Intensive Care Medicine* (2016-present)
- ✦ *Ad hoc* Reviewer, *Critical Care Nurse* (2017-present)
- ✦ *Ad hoc* Reviewer, *Journal of Emergency Medicine, Trauma and Acute Care* (2016-present)
- ✦ Editorial Board, *Emergency Medicine Practice Guidelines Update* (2012-present)
- ✦ Editorial Board, *Journal of Emergency Medicine and Critical Care* (2013-present)
- ✦ Section Editor (Critical Care), *Journal of Emergency Medicine, Trauma and Acute Care* (2015-present)
- ✦ Section Editor (Critical Care), *Western Journal of Emergency Medicine* (2015-present)

Honors and Awards

Boy Scouts of America Eagle Scout
Washington Undergraduate Scholar Award (1998-2002)
University of Washington Honors Undergraduate Program (1998-2002)
Pac-10 Swimming Championships All-Academic Team (2002)
Team Captain, University of Washington Men's Swim Team (2001-2)
The Mt. Sinai Graduate Medical Education Travel Fund Scholarship (2009)
Fellow, American College of Emergency Physicians (2015)
UCSD Anesthesiology Critical Care Teaching Award (2015-16)

Extracurricular Activities

Pi Kappa Alpha Fraternity (1998-2002)
University of Washington Varsity Men's Swim Team (1998-2002, Captain 2001-02)
University of Washington Men's Club Volleyball Team (2002-03, 2004-05, 2006-07)
Washington State University Men's Club Volleyball Team (2003-04)
Manhattan Island Marathon Swim (July 5, 2009)
MS 150 Bicycle Race/Fundraiser (Sept 15-16, 2012)
Tulsa Run 15K (Oct 27, 2012)

Presentations/Teaching

Pediatric Morbidity and Mortality Conference, Review of SVT (Nov 12, 2008)
Morbidity and Mortality Conference, Review of Management of Closed Head Injury (Feb 4, 2009)
Morbidity and Mortality Conference, Discussion of Management of Distal DVT (Oct 14, 2009)
Emergency Medicine Departmental Trauma Conference (July 14, 2010)
ED Management of Poor-Grade Subarachnoid Hemorrhage (May 25, 2011)
Journal Club: Clinical Decision Rules for Pulmonary Embolism (June 1, 2011)
Advanced Cardiac Life Support (Instructor) (Jun 28, 2011)
Medical Student Airway Workshop (monthly, July 2011 – June 2013)



Medical Student Lecture (monthly, July 2011 – June 2013)
Ventilator Management for ED Physicians (Oct 27, 2011)
Clinical Decision-Making (Dec 1, 2011)
Journal Club (Jan 12, 2012)
Neurology for the Emergency Physician (Feb 9, 2012)
IRB Presentation – ProCESS Trial (Feb 22, 2012)
Advanced Cardiac Life Support Instructor (Mar 8, 2012)
Advanced Airway Skills (Mar 15, 2012)
Oral Board Review (Apr 5, 2012)
Awake Intubation (Apr 12, 2012)
Oral Board Review (May 17, 2012)
ED Management of Severe Sepsis (Sept 22, 2011)
Regional Pain Management in the ED (May 24, 2012)
Central Venous Catheters (July 2, 2012)
Advanced Airway Management (July 11, 2012)
ED Management of Syncope (Aug 16, 2012)
Oral Board Review (Sept 6, 2012)
Resuscitation Review (Dec 5, 2012)
Neurology Review for the In-Training Exam (Jan 3, 2013)
Neuroprotective Induced Mild Hypothermia after Cardiac Arrest (Jan 24, 2013)
Oklahoma Highway Patrol Urban Search and Rescue Anatomy Skills Lab (March 28, 2013)
Vascular Access Procedures in the ICU (Aug 2, 2013)
Journal Club: MRSA Decolonization Strategies (Sept 11, 2013)
Bedside Echocardiography for Residents (weekly, 2013-2014)
Resuscitation Echocardiography (Oct 21, 2014)
Orthopedics and Trauma (Medical Student Lecture, Jan 22, 2015)
Principles to Practice (Medical Student Course, Feb 20, 2015)
Advanced Resuscitation for Faculty (June 19, 2015)
UCSD Critical Care Summer Session (Instructor) (July 23, 2106)
Resident Advanced Resuscitation Training (July 28 & Nov 24, 2015)
Clinical Decision-Making for Non-Statisticians (Aug 18, 2015)
Cardiac Arrest Resuscitation (ACCM Fellow Lecture, Sept 3, 2015)
Dynamic Ultrasound Guidance for Vascular Access (Dec 15, 2015)
UCSD Faculty Day Ultrasound Instructor (Feb 23, 2016)
Morbidity and Mortality Conference, Management of Complicated Pleural Effusion (March 22, 2016)
Orthopedics and Trauma (Medical Student Lecture, Apr 14, 2016)
Advances in Resuscitation (Resident Lecture and Simulation, May 17, 2016)
Cardiac Arrest Resuscitation (ACCM Fellow Lecture, June 16, 2016)
Advanced Resuscitation Training (UCSD Interns, June 27, 2016)
Central Venous Access and Simulation (UCSD EM Residents, June 30, 2016)
Thoracentesis and Tube Thoracotomy (UCSD EM Residents, July 1, 2016)
Echocardiography (ACCM Fellow Lecture, July 14, 2016)
Thoracic Ultrasonography and Procedure Lab (ACCM Fellows, July 21, 2016)
UCSD Critical Care Summer Session (Instructor) (July 28, 2106)
Medical Student Procedure Lab (Airway) (Aug 15, 2016)
Resuscitation Echocardiography (Combined Critical Care Conference, Aug 16, 2016)
Point-of-Care Ultrasound (PCCM Fellows, August 17, 2016)
Ultrasound-Guided Vascular Access for ED RNs (Aug 30, 2016)
ED Critical Care Discussion Group (Mechanical Ventilation) (UCSD EM Residents) (Aug 30, 2016)
Aortic Dissection Case Conference (UCSD Dept EM, Sept 13, 2016)
ED Critical Care Discussion Group (Peri-Intubation Care) (UCSD EM Residents) (Oct 11, 2016)
Hyperoxia in the ICU (UCSD Anesthesiology Residents, Nov 16, 2016)



ED Critical Care Discussion Group (Hemorrhagic Shock) (UCSD EM Residents, Jan 2, 2017)
Principles to Practice (Medical Student Course, Jan 31, 2017)
Critical Care Ultrasound Education (UCSD Medicine Residents, Mar 10, 2017)
ED Critical Care Discussion Group (Pulmonary HTN, RV Failure) (UCSD EM Residents, Apr 4, 2017)
ED Ventilator Management (UCSD EM Residents, Apr 18, 2017)
CardioHelp ECMO Nursing Education/Simulation (Apr 21, 2017)
Mechanical Circulatory Support (UCSD ED Faculty Day, Feb 21, 2017)
Mechanical Ventilation Workshop (UCSD EM Residents, Apr 18, 2017)
Troubleshooting the Ventilator (UCSD EM Residents, May 16, 2017)
Non-invasive Ventilation (UCSD EM Residents, June 20, 2017)
Advances in Resuscitation (Resident Lecture and Simulation, June 27, 2017)
Vascular Access Procedure Lab (UCSD EM Residents, July 14, 2017)
ED Critical Care Discussion Group (Peri-Intubation Cardiac Arrest) (UCSD EM Residents, Aug 8, 2017)
Chest Tube and Cricothyrotomy Procedure Lab (ACCM Fellows, Aug 9, 2017)
Mechanical Circulatory Support (UCSD EM Residents, Sept 19, 2017)
Physician CardioHelp ECMO Education/Simulation (UCSD Faculty, Sept 29, 2017)
California Thoracic Society Ultrasound Course (Instructor) (Regional Critical Care Faculty and Trainees, Sept 30, 2017)

Invited Lectures

ED Management of Poor-Grade Subarachnoid Hemorrhage (Baylor COM EM Residency, Houston, TX, Jan 30, 2011)
Grand Rounds: ED Management of Poor-Grade Subarachnoid Hemorrhage (University of Oklahoma EM Residency, Tulsa, OK, Feb 17, 2011)
Avoiding Airway Disasters (Oklahoma ACEP Scientific Assembly, Oklahoma City, OK, Nov 3, 2011)
Pain Management in the Emergency Department (Mt. Sinai EM Residency, New York, NY, May 16, 2012)
Complications of Caustic Ingestion (Combined Critical Care Conference, Massachusetts General Hospital, Feb 26, 2014)
Cardiac Arrest Resuscitation Outside the Hospital (UCSD IM Conference, Dec 15, 2014)
Sepsis Panel Discussion (UCSD EM/IM Joint Conference, Jan 27, 2015)
Grand Rounds: Optimization after Cardiac Arrest (UCSD EM Residency, Feb 10, 2015)
No More Saline: Using Balanced Resuscitation Fluids (California ACEP Scientific Assembly, Los Angeles, CA, June, 2015)
ED ECMO Panel Discussion (International Conference on Emergency Medicine and Public Health, Doha, Qatar, January 17, 2016)
Emerging Therapies in Critical Care Toxicology (Toxicology Keynote Address, International Conference on Emergency Medicine and Public Health, Doha, Qatar, January 16, 2016)
Upper GI Bleeding Panel Discussion (UCSD EM/IM Joint Conference, Jan 26, 2016)
Advances in Resuscitation (UCSD Faculty Day Keynote Address, Feb 23, 2016)
Cardiogenic Shock (UCSD EM/IM Joint Conference, May 24, 2016)
Aortic Dissection Resuscitation Case Conference (UCSD Internal Medicine, June 7, 2016)
Hyperoxia: Too Much of a Good Thing? (Cal ACEP Scientific Assembly, Anaheim, CA, Sept 20, 2016)
Seven Ways to Improve Your Resuscitation (NMCS Grand Rounds, Nov 3, 2016)
Hyperoxia: Too Much of a Good Thing? (UCSD Respiratory Therapy Ground Rounds, Nov 9, 2016)
Optimization after Cardiac Arrest (UCSD IM Grand Rounds, July 27, 2017)
Vascular Ultrasound (California Thoracic Society, Sept 30, 2017)
Airway Tips and Techniques (Society of Critical Care Medicine Annual Congress, February 24-28, 2018)