

## Dr. Pierre Kory

M.P.A., M.D.

Founding member of the FLCCC Alliance and co-author of the MATH+ and I-MASK+ Prophylaxis and Treatment Protocols for COVID-19



### Contributions to the Field of Medicine

Pierre Kory is the former Chief of the Critical Care Service and Medical Director of the Trauma and Life Support Center at the University of Wisconsin. He is considered one of the world pioneers in the use of ultrasound by physicians in the diagnosis and treatment of critically ill patients. He helped develop and run the first national courses in Critical Care Ultrasonography in the U.S., and served as a Director of these courses with the American College of Chest Physicians for several years. He is also the senior editor of the most popular textbook in the field titled “Point of Care Ultrasound,” a book that is now in its 2<sup>nd</sup> edition and that has been translated into 7 languages worldwide. He has led over 100 courses nationally and internationally teaching physicians this now-standard skill in his specialty.

Dr. Kory was also one of the pioneers in the United States in the research, development, and teaching of performing therapeutic hypothermia to treat post-cardiac arrest patients. In 2005, his hospital was the first in New York City to begin regularly treating patients with therapeutic hypothermia. He then served as an expert panel member for New York City’s Project Hypothermia, a collaborative project between the Fire Department of New York and Emergency Medical Services that created cooling protocols within a network of 44 regional hospitals along with a triage and transport system that directed patients to centers of excellence in hypothermia treatment, of which his hospital was one of the first.

Known as a Master Educator, Dr. Kory has won numerous departmental and divisional teaching awards in every hospital he has worked and has delivered hundreds of courses and invited lectures throughout his career.

In collaboration with Dr. Paul Marik, Dr. Kory pioneered the research and treatment of septic shock patients with high doses of intravenous ascorbic acid. His work was the first to identify the critical relationship between the time of initiation of therapy and survival in septic shock patients, an aspect of the therapy that led to understanding all the failed randomized controlled trials that employed delayed therapy.

Dr. Kory has led ICU’s in multiple COVID-19 hotspots throughout the pandemic, having led his old ICU in New York City during their initial surge in May for 5 straight weeks, he then travelled to other COVID-19 hotspots to run COVID ICU’s in Greenville, South Carolina and Milwaukee, WI during their surges. He has co-authored 5 influential papers on COVID-19 with the most impactful being a paper that was the first to support the diagnosis of early COVID-19 respiratory disease as an organizing pneumonia, thus explaining the critical response of the disease to corticosteroids.

## Education

1988–1994	B.A. <b>University of Colorado</b> , Boulder, Colorado Major Mathematics
1994–1996	M.P.A. <b>New York University</b> , New York, NY Health Policy and Administration
1998–2002	M.D. <b>St. George's University</b> Grenada, West Indies
2002–2005	Residency Internal Medicine, <b>Columbia College of Physicians and Surgeons</b> , New York, NY, St. Luke's–Roosevelt Hospital, New York
2005–2008	Fellowship Pulmonary Disease and Critical Care <b>Medicine Albert Einstein College of Medicine</b> , Beth Israel Medical Center, New York

## Certification and Licensure

2015	Wisconsin Medical License (exp. 10/31/2021)
2015	Illinois Medical License (exp. 11/19/2021)
2005, 2015	Internal Medicine
2008, 2019	Pulmonary Diseases
2008, 2018	Critical Care Medicine
2008	National Board Exam in Echocardiography - Pass
2009	Healthcare Simulation Training - Instructor Certification

## Present Appointment/Position

December 2020 President, **Front Line Covid-19 Critical Care Alliance**

## Past Appointments/Positions

1995–1997	Project Coordinator - Study of Incentives to Improve Medicaid Immunization Coverage Rates, <b>NYC Dept. of Health and Centers for Disease Control</b>
1997–1998	Project Director - Study of Incentives to Improve Medicaid Immunization Coverage Rates, <b>NYC Dept. of Health and Centers for Disease Control</b>
2008–2015	Attending Physician - MICU, Pulmonary Consultation Service, Faculty Practice <b>Beth Israel Medical Center</b> , NY, NY
2008–2012	Assistant Professor of Clinical Medicine <b>Albert Einstein College of Medicine</b> , New York, NY
2008–2015	Director of Simulation Training–Department of Medicine <b>Beth Israel Medical Center</b> , New York
2012–2015	Program Director - Pulmonary Disease and Critical Care Medicine Fellowship - <b>Mount Sinai Beth Israel</b> , New York
2013–2015	Associate Professor of Clinical Medicine <b>Icahn School of Medicine</b> at Mount Sinai, New York, NY
2016–2020	Associate Professor of Medicine, Clinical Health Scientist <b>Track University of Wisconsin School of Medicine and Public Health</b>

2015–2020	Critical Care Service Chief, Medical Director, Trauma and <b>Life Support Center University of Wisconsin</b> Hospital and Clinics, Madison, WI
May 2020	COVID-19 Emergency Critical Care Attending <b>Mount Sinai Beth Israel Medical Center</b> , New York, NY
8/20–10/20	Weatherby Health Care, Locums Critical Care Specialist <b>Greenville Memorial Hospital</b> , Greenville, SC
10/20–12/20	<b>Aurora St. Luke’s Medical Center</b> , Milwaukee, WI Intensivist, Advocate Critical Care Service

## Professional Society Memberships

2006–2012	American College of Chest Physicians
2008–2010	Medical Society of the State of New York
2008–2011	Society of Critical Care Medicine
2010–present	American Thoracic Society

## Honors and Awards

1999–2002	Iota Epsilon Alpha International Medical Honor Society
2003	Best Internal Medicine Resident in Primary Care Award, PGY1
2004	Best Internal Medicine Resident Award, PGY2
2007	“Feature Article” in November 2007 issue of <i>Chest</i>
2008	Teaching Faculty of the Year, Dept. Of Medicine, Beth Israel Med. Ctr
2008	Health Care Association of New York Quality Institute “Profiles in QI”
2008	Modern Healthcare - 16 <sup>th</sup> Annual Spirit of Excellence Award Nominee
2009	Young Investigator Award Semifinalist-DVT Study - <i>Chest</i> 2009
2009	Young Investigator Award Semifinalist-Hypothermia - <i>Chest</i> 2009
2010	1 <sup>st</sup> Prize - Beth Israel Medical Center Research Fair
2013	Super Doctors - “Rising Stars” of New York City
2013	Anesthesia and Analgesia Article Featured in <i>Journal Watch, MDLinx</i>
2013	1 <sup>st</sup> Prize - Beth Israel Research Fair-RCT of Videolaryngoscopy
2013	Honorable Mention BI Research Fair 2013-IVC Analysis Study
2013	Young Investigator Award Semi-Finalist - <i>Chest</i> Annual Meeting 2013
2013	Critical Care Smart Brief, Nov. 2013 - Videolaryngoscopy Abstract
2013	Medscape Medical News Feature, Nov. 2013 - Videolaryngoscopy
2015	University of Wisconsin Hospital and Clinic’s Trauma and Life Support Center Team Member of the Month, June 2015
2015	President’s Choice Award, British Medical Association Book Awards
2015	Highly Commended in Internal Medicine, British Medical Association Book Awards
2016	Madison Magazine Dane County “Top Docs” - Critical Care
2016	James B. Skatrud Teaching Award - UW PCCM Fellowship
2016	Outstanding Off–Service Faculty Teaching Award -UW Dept. Emergency Medicine
2017	Madison Magazine Dane County “Top Docs” - Critical Care
2018	Faculty Excellence in Teaching Award, UW Department of Medicine

2018	Madison Magazine Dane County “Top Docs” - Critical Care
2019	Department of Medicine - Tribute from a Patient
2019	Gold Medal Award - Highest Abstract Score - 2019 Annual Meeting
2019	UW Health Physician Excellence Award Nominee
2020	Founding Member, Front-Line Critical Care Working Group, <a href="http://www.flccc.net">www.flccc.net</a>

## Grant Support

2018	University of Wisconsin Internal Medicine Residency Committee Education Committee Grant - \$20,000
2012	Principal Investigator - Impact of housestaff performed lung ultrasonography using a hand-carried ultrasound device General Electric - \$80,000 in equipment support

## Publications

KEY: a) Concept Development and Design  
b) Mentoring  
c) Data Acquisition  
d) Analysis  
e) Writing

**\*indicates five most noteworthy publications**

## Refereed Articles

1. **Kory P**, Meduri GU, Iglesias J, Varon J, Marik PE. Clinical and Scientific Rationale for the MATH+ Hospital Treatment Protocol for COVID-19. *J Int Care Med*, in production, 2020
2. Sadd C, Rowe T, Nazeef M, **Kory P**, Sultan S, Faust H. Thromboelastography to detect Hypercoagulability and Reduced Fibrinolysis in COVID-19 ARDS Patients. *Crit Care Explorations* 2020;2:e0192. DOI: 10.1097/CCE.000000000000192
3. Wiseman D, **Kory P**, Mazzucco D, Ramesh MS, Zervos M. Treatment and prevention of early disease before and after exposure to COVID-19 using hydroxychloroquine: A protocol for exploratory re-analysis of age and time-nuanced effects: Update based on initial dataset review. medRxiv, 2020. doi: <https://doi.org/10.1101/2020.08.19.20178376>
4. Griffin DO, Brennan-Rieder D, Ngo B, **Kory P** et al. The importance of Understanding the Stages of COVID-19 in Treatment and Trials. *Under Peer Review, Annals Int Med*. 2020
5. Marik PE, **Kory P**, Varon J. Treatment of COVID-19 is critically phase specific. *Crit Care Shock* (2020) 23:10-12
6. **Kory P**, Kanne J. Sars-CoV-2 Organizing Pneumonia: “Has there been a widespread Failure to diagnose this prevalent condition in COVID-19”. *BMJ Open Res Rsrch*. 2020:Sept;

7. Marik PE, **Kory P**, Varon J, Iglesias J, Meduri GU. MATH+ protocol for the treatment of SARS-CoV-2 infection: the scientific rationale. Published online ahead of print. Expert Review of Anti-Infective Therapy - 18 Aug 2020.
8. Marik PE, **Kory P**, Varon J. Does Vitamin D status impact mortality from SARS-CoV2 infection? Medicine in Drug Discovery, 2020 dx.doi.org/10.1016/j.medidd.2020.100041
9. Long M, **Kory P**, Marik PE. Vitamin C, Hydrocortisone, and Thiamine for Septic Shock. JAMA. 2020 Jun 2; 323(21):2203-2204
10. Marik PE, **Kory P**, Varon J. Does Vitamin D status impact mortality from SARS-COV-2 Infection? Med Drug. Discov. 2020 Apr 29;6:100041 10.1016/j.medidd.2020.100041
11. Frommelt, **Kory**, Long. Letter On Update to the Vitamin C, Thiamine and Steroids in Sepsis (VICTAS) protocol. Trials. March 2020
12. Kruser J, Schmidt G, **Kory P**. REBUTTAL: Should the use of diagnostic point of care ultrasound in patient care require hospital privileging/credentialing? NO" Chest 2019 – in press
13. Kruser J, Schmidt G, **Kory P**. COUNTERPOINT: Should the use of diagnostic point of care ultrasound in patient care require hospital privileging/credentialing? NO" Chest 2019 – in press
14. Long MT, Frommelt M, Ries M, Osman F, **Kory PD**. Efficacy of intravenous hydrocortisone, ascorbic acid and thiamine in septic shock: a retrospective cohort analysis. Critical Care and Shock, 2020 February
15. Long MT, **Kory PD**, Steuerwald MT, Joffe AM, Galgon RE. VL and DL Equal for Air Medical Intubation? The Operator Matters. Crit Care Med. 2020 Mar;48(3):e254-e255
16. Bondarsky E, Rothman A, Ramesh N, **Kory P**, Lee YI. "Influence of Head-of-Bed Elevation on the Measurement of Inferior Vena Cava Diameter and Collapsibility" J Clinic Ultrasound, 2020 Feb 4. Epub ahead of print
17. Islam M, Nesheim D, Ascquah SO, **Kory P**, Kouroni I, Ramesh N, Erlich, Bajpayee G, Steiger D, Filopei J. Author's Response to "Factors Related with Outcomes in Patients with Intracardiac Thrombus". J Intensive Care Med, 2019
18. Restrepo M, Banach G, Boivin M, **Kory P**, Sarkar P, Banauch GI, Halpern S, Mayo PH. Effectiveness of a Transesophageal Echocardiography Course. JICM, 2019 Epub ahead of print  
a) 25% b) 0% c) 25% d) 25% e) 25
19. Islam M, Nesheim D, Ascquah SO, **Kory P**, Kouroni I, Ramesh N, Erlich, Bajpayee G, Steiger D, Filopei J. Right Heart Thrombi: Patient Outcomes by Treatment Modality and Predictors of Mortality: A pooled Analysis. J Intensive Care Med. 2019 Nov-Dec;34(11-12):930-937
20. Wang AW, Appel HJ, Bennest SC, Forsyth LH, Glasser SK, Jarka MA, **Kory PD**, Malik AN, Martonffy AI, Wahlin LK, Willaims TT, Woodin NA, LienC Miller IKT, Miller LG. Trial By Fire: Barriers To Timely Care Of PANS/PANDAS In Children of Healthcare Providers. JAACP, Under Review.
21. Millington S, Arntfield R, Jie Guo R, Koenig S, **Kory P**, Noble V, Mallemat H, Schoenherr R. Expert Agreement in the Interpretation of Lung Ultrasound Studies Performed on Mechanically Ventilated Patients. J Ultrasound Med. 2018
22. Millington S, Arntfield R, Jie Guo R, Koenig S, **Kory P**, Mayo P, Schoenherr JR. The Assessment of Competency in Thoracic Sonography (ACTS) Scale: Validation of a Tool for Point-of-care Ultrasound, Critical Ultrasound Journal 2017 Nov 22;9(1):25
23. Millington SJ, Hewak M, Arntfield RT, Beaulieu Y, Hibbert B, Koneig S, **Kory P**, Mayo P, Schoenherr JR. Outcomes from extensive training in critical care echocardiography: Identifying the optimal number of practice studies required to achieve competency. J Crit Care. 2017 Mar;40:99-102

24. Mayo PH, Arntfield R, Balik M, **Kory P** et al. The ICM Research Agenda on Critical Care Ultrasonography. *Intensive Care Med*, 2017 Mar 7
25. **Kory P**. Counterpoint: Should acute fluid resuscitation be guided primarily by inferior vena cava ultrasound for patients in shock? No, *CHEST* (2016), doi: 10.1016/j.chest.2016.11.017. (Concept/Design- 100, Mentoring-100, Data-100, Analysis-100, Writing-100)
26. **Kory P**. Rebuttal From Dr Kory, *CHEST* (2016), doi: 10.1016/j.chest.2016.11.020. (Concept/Design- 100, Mentoring-100, Data-100, Analysis-100, Writing-100)
27. Millington SJ, Arntfield RT, Hewak M, Hamstra SJ, Beaulieu Y, Hibbert B, Koenig S, **Kory P**, Mayo P, Schoenherr JR. The Rapid Assessment of Competency in Echocardiography Scale: Validation of a Tool for Point of Care Ultrasound. *J Ultrasound Med*. 2016 Jul;35(7):1457-63. (Concept/Design -20, Mentoring-20, Data-60, Analysis-20, Writing-20)
28. Silverberg M, Li N, Acquah SO, **Kory P**. Reply: Comparing Performance of Video and Direct Laryngoscopes for Urgent Endotracheal Intubation. *Crit Care Med*. 2015 Apr;43(3):636-41 (Concept/Design -80, Mentoring-100, Data-70, Analysis-80, Writing-80)
29. Corrigendum 'Development of a fluid resuscitation protocol using inferior vena cava and lung ultrasound. . *Journal of Critical Care*. 2016 Jun;33:267
30. Lee, C, **Kory P**, Arntfield R. Development of a Fluid Resuscitation Protocol Using Inferior Vena Cava and Lung Ultrasound. *Journal of Critical Care*. 2016 Feb;31(1) 96-100 (Concept/Design - 40, Mentoring-40, Data-0, Analysis-80, Writing-60)
31. Lee CW, **Kory PD**, Arntfield RT. Corrigendum 'Development of a fluid resuscitation protocol using inferior vena cava and lung ultrasound' *Journal of Critical Care* 31(2016) 96-100. *J Crit Care*. 2016 Jun;33:267. (Concept/Design -40, Mentoring-40, Data-0, Analysis-80, Writing-60)
32. Silverberg MJ, **Kory P**. Reply: Airway training for critical care fellows: more than just video laryngoscopy. *Ann Am Thorac Soc*. 2014 Dec;11(10):1671. (Concept/Design -100, Mentoring-100, Data-0, Analysis-80, Writing-80)
33. \*Silverberg M, Li N, Acquah SO, **Kory P**. Comparison of Video Laryngoscopy Versus Direct Laryngoscopy During Urgent Endotracheal Intubation: A Randomized Controlled Trial. *Crit Care Med*. 2015 Mar;43(3):636-41 (Concept/Design -100, Mentoring-100, Data-30, Analysis-80, Writing-80)
34. Tofts R, **Kory P**, Acquah SO. A 72 year old man presenting with melena and multiple falls becomes acutely decompensated. *Chest*. 2014 Oct 1;146(4):e130-3 (Concept/Design -100, Mentoring-100, Data-30, Analysis-80, Writing-70)
35. Silberberg M, **Kory P**. Use of Videolaryngoscopy in Urgent Endotracheal Intubation; A Survey. *Ann Am Thorac Soc*. 2014 Oct;11(8):1225-9 (Concept/Design-90, Mentoring-100, Data-30, Analysis-80, Writing-80)
36. \*Filopei J, Siedenbergh H, Rattner P, Fukaya E, **Kory P**. Impact of Pocket Ultrasound Use by Internal Medicine Housestaff in the Diagnosis of Dyspnea. *J Hosp Med*. 2014 Sep;9(9):594-7 (Concept/Design -90, Mentoring-100, Data-30, Analysis-70, Writing-70)
37. Schmidt GA, **Kory P**. Ultrasound-Guided Central Venous Catheter Insertion: Teaching and Learning. *Intensive Care Med*. 2014 Jan;40(1):111-3 ((Concept/Design-40, Mentoring-0, Data-50, Analysis-50, Writing-40)
38. Silverberg M, **Kory P**. Ultrasound Guided Vascular Access Insertion and Deep Venous Thrombosis Examinations. *Annals ATS*. 2013 Oct;10(5):549-56 (Concept/Design -100, Mentoring-100, Data-60, Analysis-70, Writing-80)

39. **Kory P**, Guevarra, K, Mathew JP, Hegde A, Mayo PH. Impact of Videolaryngoscopy Use During Urgent Endotracheal Intubation in the Critically Ill. *Anesth Analg*. 2013 Jul;117(1):144-9 (Concept/Design -100, Mentoring-100, Data-50, Analysis-80, Writing-90)
40. Glen C, Acquah SO, **Kory P**. Ultrasound Corner -“Beyond Belief” – *Chest*. 2013 Mar;143(3):e1-4 (Concept/Design -90, Mentoring-100, Data-60, Analysis-80, Writing-80)
41. Glen C, Acquah SO, **Kory P**. Ultrasound Corner -“Sliding to Safety.” *Chest*. 2013 Feb 1;143(2):e1-3 (Concept/Design -90, Mentoring-80, Data-60, Analysis-80, Writing-80)
42. \***Kory P**, Fukunaga M, Mathew J, Singh B, et al. Outcomes of Mild Therapeutic Hypothermia (MTH) After In-Hospital Cardiac Arrest (IHCA). *Neurocrit Care* 2012; 16(3):406-412 (Concept/Design -100, Mentoring-100, Data-60, Analysis-80, Writing-80)
43. Greenstein Y, Lakticova V, **Kory P**, Mayo PH. Adequacy of Chest Compressions Performed by Medical Housestaff. *Hospital Practice* 2011; 39: 44-49 (Concept/Design -20, Mentoring-20, Data-20, Analysis-20, Writing-10)
44. \***Kory P**, Pellecchia C, Shiloh AL, Mayo PH, Koenig S. Accuracy of Ultrasonography Performed by Critical Care Physicians for the Diagnosis of Deep Venous Thrombosis. *Chest* 2011; 139: 538-42 (Concept/Design -80, Mentoring-50, Data-40, Analysis-70, Writing-70)
45. **Kory P**, Weiner J, Mathew JP, Fukunaga M, Palmero P, Singh B, Haimowitz S, Clark ET, Fischer A, Mayo PH. A Rapid, Safe, and Low Cost Technique for the Induction of Mild Therapeutic Hypothermia in Post-Cardiac Arrest Patients. *Resuscitation* 2011; 82: 15-20 (Concept/Design -100, Mentoring-100, Data-40, Analysis-80, Writing-80)
46. Mayo PH, Hegde A, Eisen LA, **Kory P**, Doelken P. A Program to Improve the Quality of Emergency Endotracheal Intubation. *J Int Care Med* 2011; 26(1):50-6 (Concept/Design -10, Mentoring-0, Data-10, Analysis-10, Writing-10)
47. \***Kory P**, Adachi M, Ribaudo V, Eisen LA, Mayo PH. Initial Airway Management of Senior Residents: Comparison of Simulation Training compared with Traditional Training. *Chest* 2007; 132:1927-1931 (Concept/Design -30, Mentoring-0, Data-50, Analysis-40, Writing-70)
48. Fairbrother G, Siegel M, **Kory P**, Hanson K, Butts GC. Impact of Financial Incentives on documented immunization rates in the inner city: results of a randomized controlled trial. *J Amb Pediatrics* 2001; 1:206-212 (Concept/Design -20, Mentoring-0, Data-60, Analysis-30, Writing-0)
49. Hanson KL, Fairbrother G, **Kory P**, Butts GC, Friedman S. The transition from Medicaid fee-for-service to managed care among private practitioners in New York City: effect on immunization and screening rates. *Maternal and Child Health Journal* 1998; 2(1):5-14 (Concept/Design -20, Mentoring-0, Data-60, Analysis-30, Writing-0)
50. Foley M, **Kory P**, Fairbrother G. Evaluation of Hope for a Million Kids Immunization Event in New York City: Process, Outcome, and Costs. *J Pub Health Mgmt Pract* 4(4):97-105, 1998 (Concept/Design -20, Mentoring-0, Data-60, Analysis-30, Writing-0)

### Non-Refereed Articles – N/A

USA Today Editorial – “More of Us Need to Wear N95 Masks” – July 5, 2020

## Media Interviews/Profiles, Panel Speaker, Medical Podcasts Invitations

ATS Facebook Podcast Interview – ATS Fellow Symposium, 2018

Podcast – Chest Journal Podcast Series, March 13, 2017 - Kyle Hogarth, MD and Greg Schmidt, MD

Social Media Event – ATS Fellow Symposium, 2017

US Senate Homeland Security Committee Expert Testimony, “How Emerging Data Should Drive Policy” – May 7, 2020

US Senate Homeland Security Committee Expert Testimony, “Early At-Home Treatment” – December 8, 2020

David Kolbaba Radio Show – May 2020

The American Spectator, “A Report from the Front” – May 1, 2020

Sean Burke Show – COVID-19 Care, October 9, 2020, July 2020

NYT Magazine August “The Covid Drug Wars that Pitted Doctor vs. Doctor” – August 5, 2020

Lee Cowden Group – Medical Care for COVID-19 , July 2020

Medscape.com: “Doctors Say Their COVID-19 Protocol Saves Lives. Others Want Proof” 7/16/20

John Anderson Radio Show, New Zealand – August 2020

Vicki Mckenna –October 30, 2020 – “Landmark New Discovery2020, May 2020

National Public Radio Rob Ferret “Drive Time” – May 2020

Update Productions Documentary on Innovators in Medicine – Interview October 7, 2002

Jim Bohannon Radio Show

National Fox News Interview, Dec 8<sup>th</sup>, 2020

Charles Adler Radio Show, Canada

George Russell “Nashua This Morning”– 11-12-20, 10-12-20

Lars Larson Radio Show, 12-11-20

Sam Dube – Toronto Business Morning 12-16-20

## Chapters in Books

1. Ramesh N, Mayo PH, **Kory P**. Lung and Pleural Ultrasonography. In Irwin R, Rippe M, Mayo PH (Eds.), *Ultrasound for the Management of the Critically Ill*. Wolters Kluwer Health, Philadelphia PA, 2020 (submitted). (Concept/Design -100, Mentoring-100, Data-50, Analysis-60, Writing-40)
2. Arntfield R, Walsh SD, **Kory P**, Soni, N. Left Ventricular Function. In Soni NJ, Arntfield R, Kory P (Eds.), *Point of Care Ultrasonography 2<sup>nd</sup> ed.*. Elsevier Saunders, Philadelphia, PA 2019. (Concept/Design -20, Mentoring-10, Data-30, Analysis-30, Writing-20)

3. Ramesh N, **Kory P**. Lung and Pleural Ultrasonography. In Irwin R, Rippe M, Mayo PH (Eds.), *Intensive Care Medicine*, Seventh Edition. Wolters Kluwer Health, Philadelphia PA, 2016 (submitted). (Concept/Design -100, Mentoring-100, Data-50, Analysis-80, Writing-70)
4. **Kory P**. Utility of Ultrasonography in the Diagnosis of DVT and PE. In Irwin R, Rippe M, Mayo PH (Eds.), *Intensive Care Medicine*, Seventh Edition. Wolters Kluwer Health, Philadelphia PA, 2016 (submitted). (Concept/Design -100, Mentoring-N/A, Data-100, Analysis-100, Writing-1000)
5. Nair G, **Kory P**, Mathew J (2015). Acute Left Ventricular and Valvular Dysfunction. In M. Jankowich, E. Gartman (Eds.), *Ultrasound in the Intensive Care Unit*, Respiratory Medicine, Springer Science + Business Media, New York, NY (Concept/Design -70, Mentoring-70, Data-50, Analysis-50, Writing-40)
6. Soni N, Arntfield R, **Kory P** (2015). The Rise of Point-of-Care Ultrasonography. In Soni NJ, Arntfield R, Kory P (Eds.), *Point of Care Ultrasonography*. Elsevier Saunders, Philadelphia, PA. (Concept/Design -20, Mentoring-10, Data-30, Analysis-30, Writing-20)
7. Lyn-Kew K, **Kory P** (2015). Evolution of Lung Ultrasonography. In Soni NJ, Arntfield R, Kory P (Eds.), *Point of Care Ultrasonography*. Elsevier Saunders, Philadelphia, PA. (Concept/Design -80, Mentoring-100, Data-50, Analysis-70, Writing-50)
8. Fein D, **Kory P** (2015). Image Acquisition – Lung Ultrasonography. In Soni NJ, Arntfield R, Kory P (Eds.), *Point of Care Ultrasonography*. Elsevier Saunders, Philadelphia, PA. (Concept/Design -80, Mentoring-100, Data-50, Analysis-70, Writing-70)
9. Arntfield R, **Kory P**, Soni N (2015). Assessment of Left Ventricular Function. In Soni NJ, Arntfield R, Kory P (Eds.), *Point of Care Ultrasonography*. Elsevier Saunders, Philadelphia, PA. (Concept/Design -20, Mentoring-10, Data-20, Analysis-20, Writing-10)
10. Lee P, **Kory P** (2015). Image Interpretation – Lung Ultrasonography. In Soni NJ, Arntfield R, Kory P (Eds.), *Point of Care Ultrasonography*. Elsevier Saunders, Philadelphia, PA. (Concept/Design -80, Mentoring-100, Data-50, Analysis-70, Writing-70)
11. Tofts RP, **Kory P** (2015). Lung Ultrasonography – Pearls and Pitfalls. In Soni NJ, Arntfield R, Kory P (Eds.), *Point of Care Ultrasonography*. Elsevier Saunders, Philadelphia, PA. (Concept/Design -80, Mentoring-100, Data-50, Analysis-70, Writing-70)
12. **Kory P**, Mayo PH. Lung Ultrasonography (2014). In Levitov A, Mayo PH, Slonim A (Eds.), *Critical Care Ultrasonography, 2<sup>nd</sup> Ed*, Mcgraw Hill, New York, NY (Concept/Design -60, Mentoring-N/A, Data-80, Analysis-70, Writing-60)
13. Mathew J, **Kory P** (2012). Assessment of Left Ventricular Function. In Walker D, Clements F, Jones, N. (Eds.), *Clinical Echocardiography for Critical Care Physicians*. University Press, Oxford University Press, Oxford, England (submitted). (Concept/Design -60, Mentoring-70, Data-50, Analysis-50, Writing-50)
14. **Kory P**, Kaplan AE (2009). Venous Ultrasonography. In Feller-Kopman D, Moore C, Carmody K. (Eds.), *Handbook of Critical Care and Emergency Ultrasound*. McGraw Hill, New York, NY (Concept/Design -50, Mentoring-N/A, Data-50, Analysis-60, Writing-50)
15. Kaplan AE, **Kory P** (2009). Use of Ultrasonography for the Diagnosis of Venous Thromboembolic Disease. In Bolliger CT et al (eds.), *Clinical Chest Ultrasound: from the ICU to the Bronchoscopy suite*. Progress in Respiratory Research, Volume 37. Karger, Basel, Switzerland (Concept/Design -50, Mentoring-N/A, Data-50, Analysis-60, Writing-50)
16. **Kory P**, Mayo PH (2009). Transesophageal Echocardiography - Technique, Orientation, and Views. In Levitov A, Mayo PH, Slonim A (Eds.), *Critical Care Ultrasonography*, Mcgraw Hill, New York, NY (Concept/Design -20, Mentoring-N/A, Data-40, Analysis-30, Writing-40)

17. Foley M, **Kory P**, Fairbrother G (1999). "Evaluation of Hope for a Million Kids Immunization Even. In Brownson R et al. (eds.), *New York City: Process, Outcome, and Costs*". *Community Based Prevention-Programs that Work*, Aspen Publishers, Frederick, MA (Concept/Design -20, Mentoring-0, Data-60, Analysis-10, Writing-0)

## Monographs or Books

1. Soni NJ, Arntfield R, **Kory P**. *Point-of-care Ultrasound (Japanese)*. 2<sup>nd</sup> ed. Tokyo: Elsevier Japan. (translation in preparation)
2. Soni NJ, Arntfield R, **Kory P**. *Ecografía a Pie de Cama: Fundamentos de la Ecografía Clínica (Spanish)*. 2<sup>nd</sup> ed. Madrid: Elsevier España. (translation in preparation)
3. Soni NJ, Arntfield R, **Kory P**. *Point-of-care Ultrasound (Korean)*. 1<sup>st</sup> ed. Seoul: Koonja Publishing Inc; 2019. (in press)
4. Soni NJ, Arntfield R, **Kory P**. *Point-of-care Ultrasound*. 2<sup>nd</sup> ed. Philadelphia, PA: Elsevier/Saunders; 2019, ISBN: 978-0-323-54470-2.
5. Soni NJ, Arntfield R, **Kory P**. *Ecografía a Pie de Cama: Fundamentos de la Ecografía Clínica (Spanish)*. 1<sup>st</sup> ed. Madrid: Elsevier España; 2016, ISBN: 978-84-9113-030-7. (Responsible for 1/3 of chapters, thus: Concept/Design -30, Mentoring-30, Data-30, Analysis-30, Writing-30)
6. Soni NJ, Arntfield R, **Kory P**. *Point-of-care Ultrasound (Chinese)*. 1<sup>st</sup> ed. Beijing: People's Medical Publishing House; 2015, ISBN: 978-7117212724.
7. Soni NJ, Arntfield R, **Kory P**. *Point-of-care Ultrasound*. 1<sup>st</sup> ed. Philadelphia, PA: Elsevier/Saunders; 2015, ISBN: 978-1455775699. (Responsible for 1/3 of chapters, thus: Concept/Design -30, Mentoring-30, Data-30, Analysis-30, Writing-30)

## Technical reports/Other publications

### Abstracts

1. Thurber, MI, Doss G, **Kory P**, Tarula E, Sladky K. Medical management of a presumed tetanus infection and associated medical complications in a northwest bornean orangutan (*pONGO pYGMAEUS pYGMAEUS*) – Under Review
2. Efficacy of the Early Adoption of iHAT Therapy in Septic Shock: A Retrospective Cohort Analysis. December 2019. *Critical Care Medicine* 48:807
3. DeSanti R, Al-Sabu A, Cowan E, Lasarev M, **Kory P**, Use of Point-of-Care Ultrasound to Diagnose the Etiology of Acute Respiratory Failure in the PICU
4. DeSanti R, **Kory P**, Cowan E, Lasarev M, Al-Sabu A The Interrater Reliability of Pediatric Point-of-Care Lung Ultrasound in the PICU. December 2019. *Critical Care Medicine* 48:483
5. DeSanti R, Al-Subu AM, Cowan E, Lasarev M, **Kory P**. Use of point-of-care lung ultrasound to diagnose the etiology of acute respiratory failure in a pediatric intensive care unit. Wisconsin PICU Regional Meeting 2019
6. Fish J, Baxa J, Willenborg et al (**Kory P Senior Author**). 5 Year Outcomes After Implementing A Pain, Agitation, and Delirium Guideline in A Mixed ICU. December 2018. *Critical Care Medicine* 47:18

7. Murray M, Frommelt M, Ries M, Long M, **Kory P**. Outcomes of HAT therapy use in Septic Shock Patients. A Retrospective Cohort Study. Wisconsin ACP 2019 Meeting
8. Jordan CP, Fein D, Acquah SO, **Kory P**. A Prospective Study of Inferior Vena Cava Parameters to Predict Fluid Responsiveness, Chest 2015 Annual Meeting
9. Bergman M, **Kory P** - Steroid Responsive Pneumonia after Breast Radiation - New entity or Old News? American Thoracic Society Meeting 2015
10. Eisen L, Yip E, **Kory P**, Gross B, Pickering B, Herasevich V, Gong M. Informational Needs During Intensive Care Unit Physician Handovers: A Multicenter Survey. American Medical Informatics Association 2014
11. Ban H, **Kory P**, Takeryu T, Silverberg M. The efficacy of anaerobe specific antibiotics in patients with aspiration pneumonia. Infectious Disease Society of America, 2014
12. Kobayashi A, **Kory P**. The importance of pre-embolectomy CT pulmonary angiography in suspected massive pulmonary embolism. Society of General Internal Medicine, 2014
13. Silverberg M, Li N, **Kory P**. Efficacy of Video Laryngoscopy vs. Direct Laryngoscopy during Urgent Endotracheal Intubation Performed By Pulmonary/Critical Care Physicians: a Randomized Controlled Trial. Slide Presentation, Annual Meeting of the ACCP, Chicago, IL, 2013
14. Lee MP, Gupta K, Ahuja J, Love A, **Kory P**. Influence of Head-of-Bed Elevation on the Measurement of IVC Diameter and Collapsibility. Poster Presentation, Annual Meeting of the ACCP. Chicago, IL 2013
15. Lee C, Seidenberg H, Mann S, **Kory P**. Outcomes of Mild Therapeutic Hypothermia after In-Hospital Cardiac Arrest: A Systematic Review of the Literature. Slide Presentation, Annual Meeting of the ACCP, Chicago, IL, 2013
16. Fein D, Lee P, Peng C, **Kory P**. Implementation and Results of a Critical Care Ultrasound Program for Fellows Using Cloud-Based Image Review Software. Slide Presentation, Annual Meeting of the ACCP, Chicago, IL, 2013
17. Acquah SO, **Kory P**, Rizk D, Cuban Cruz, E. Preliminary Data on Reasons for Failure to Recognize Early Warning Signs Prior to Rapid Response Events. Oral Presentation, American Thoracic Society Annual Conference, 2012
18. Oleng NA, Ahuja JS, Sharif MU, Annan EL, **Kory P**. Bilateral Intraparenchymal Fat Nodules with Pneumothoraces: A Novel Complication of Mastopexy. Poster Presentation, American Thoracic Society Annual Conference, 2012
19. Palmero V, Klatchko T, Aslam H, **Kory P**, Acquah S. Diagnostic Accuracy of Cytopathologic Patterns found on EBUS FNA in Patients with Suspected Pulmonary Sarcoidosis. Poster Presentation, Annual Meeting of the ACCP, 2011
20. **Kory P**, Hwang C, Pellechia C, Acquah S. Team Performance Assessment during Rapid Response Events, Oral Presentation, Annual Meeting of the ACCP, 2011
21. Koenig S, Lacticova V, Hegde A, **Kory P**, Narasimhan M, Doelken P, Mayo PH. Safety of urgent endotracheal intubation performed without a paralytic agent. Oral Presentation, Annual Meeting of the ACCP, 2011
22. Ahuja J, Mathew J, Sharif M, Annan E, **Kory P**, Walker P. Pleural Fluid Analysis in a Patient with Pleuro-myopericarditis Secondary to Crohns Disease. Oral Presentation, Annual Meeting of the ACCP, 2011
23. Annan E, Guevarra KP, Mathew J, Ahuja J, Sharif M, Acquah S, **Kory P**. Primary Videolaryngoscopy Improves First Pass Success during Emergency Endotracheal Intubation by First Year Fellows. Oral Presentation, Annual Meeting of the ACCP, 2011

24. NYC Project Hypothermia Working Group. Intra-arrest Induction Of Therapeutic Hypothermia Via Large-volume Ice-cold Saline Infusion Improves Immediate Outcomes For Out-of-hospital Cardiac Arrest. Poster Presentation, Resuscitation Science Symposium 2011
25. NYC Project Hypothermia Working Group. Intra-Arrest Induction of Therapeutic Hypothermia Via Large-Volume, Ice-Cold Saline Infusion Results in Improved Outcomes Among Out-of-hospital Cardiac Arrests of Cardiac Etiology. Poster Presentation, Resuscitation Science Symposium 2011
26. NYC Project Hypothermia Working Group. Incidence And Relevance Of Pulmonary Edema As A Result Of Large-volume, Ice-cold Saline Infusion For The Induction Of Hypothermia During Out-of-hospital Cardiopulmonary Resuscitation. Poster Presentation, Resuscitation Science Symposium 2011
27. NYC Project Hypothermia Working Group. Initiation Of Large-volume, Ice-cold Saline Infusion During Initial Resuscitation Attempts For Out-of-hospital Cardiac Arrest Results In Near-target Temperatures For Therapeutic Hypothermia Upon Emergency Department Arrival. Poster Presentation, Resuscitation Science Symposium 2011
28. Fukunaga M, Singh B, Mosak J, Szainwald L, Mathew J, Pellecia C, Berg D, Katz A, Marks M, Saadia M, Friedmann P, **Kory P**. Outcomes of Mild Therapeutic Hypothermia (MTH) After In-Hospital Cardiac Arrest (IHCA): A Historical Controlled Trial. Oral Presentation, Annual Meeting of the ACCP, 2010
29. Mathew J, Pellecchia C, Guevarra KP, Palmero V, Acquah S, **Kory P**. Safety and Efficacy of a Novel Glidescope-Assisted Percutaneous Dilational Tracheotomy Technique. Poster Presentation, Annual Meeting of the ACCP, 2010
30. Guevarra KP, Mathew JP, Sharif M, Palmero V, Mayo PH, Hegde A, Eisen LA, Doelken P, **Kory P**. Safety and Efficacy of Emergency Endotracheal Intubation Using The Glidescope® Video-Laryngoscope, A Historical Controlled Trial. Oral Presentation, Annual Meeting of the ACCP, 2010
31. Szainwald L, Ahuja J, **Kory P**. Mild Therapeutic Hypothermia after In-Hospital Cardiac Arrest – A Nationwide Survey of Current Practice. Oral Presentation, Annual Meeting of the ACCP, 2010
32. Ahuja JS, Fukunaga, M, Pellecchia C, Mathew, J, Weiner J, **Kory P**. Safety of Mild Therapeutic Hypothermia after In-Hospital Cardiac Arrest, A Comparison with Historical Controls. Poster Presentation, Annual Meeting of the ACCP, 2010
33. Fukunaga M, Mosak J, Singh B, Szainwald L, Palmero V, Weiner J, Marks M, Berg D, Saadia M, Katz A, Friedman P, **Kory P**. Predictors of Neurological Outcome in Medical Intensive Care Unit Patients Admitted After In-Hospital Cardiac Arrest. Oral Presentation, Annual Meeting of the ACCP 2010
34. Koenig S, Lakticova V, Hegde A, **Kory P**, Narasimhan M, Doelken P, Mayo PH. The Safety of Emergency Endotracheal Intubation Without the Use of A Paralytic Agent. Oral Presentation, Annual Meeting of the ACCP, 2010
35. Fisher N, Goffman D, Dulu A, Bayya J, Bernstein PS, **Kory P**, Kvetan V, Eisen LA. Maternal Cardiac Arrest Simulation: Critical Care Fellows' Knowledge, Performance and Self-confidence. Poster Presentation, Annual International Meeting on Simulation in Healthcare, 2010
36. Nayya J, Goffman, D, Eisen LA, Fisher N, Bernstein PS, **Kory P**, Dulu A. Resuscitating a Pregnant Patient: Use of Simulation to Compare Performance and Knowledge Among Maternal Fetal Medicine and Critical Care Medicine Fellows. Poster Presentation, Annual International Meeting on Simulation in Healthcare, 2010

37. Pellecchia C, **Kory P**, Koenig S, Shiloh A, Chandra S, Alaverdian A, Dibello C, Mayo PH. et al. Accuracy of Critical Care Physicians in the Ultrasound Diagnosis of Deep Venous Thrombosis in the ICU. Oral Presentation, Annual Meeting of the ACCP, 2009
38. Mathew J, **Kory P**, Fukunaga M, Pellecchia C, Weiner J, Mayo PH. Outcomes of Mild Therapeutic Hypothermia in In-Hospital Cardiac Arrest Patients. Oral Presentation, Annual Meeting of the ACCP, 2009
39. **Kory P**, Pellecchia C, Mathew J, Fukunaga M, Weiner J, Mayo, PH. Safety of Mild Therapeutic Hypothermia after In-Hospital Cardiac Arrest". Poster Presentation, Annual Meeting of the ACCP, 2009
40. Eisen LA, **Kory P**, Malik A, Yunen J, Ardilles E, Kline M, Mayo P. Training and Assessment of Fellows in Critical Care Ultrasonography: A New Paradigm. Poster Presentation, Annual Meeting of the ACCP, 2008.
41. Koenig S, **Kory P**, Lakticova V, Chandra S, et al. Simultaneous training in initial airway management and chest compressions using simulation based technology improves house staff competency over that learned in ACLS. Oral Presentation, Annual Meeting of the ACCP, 2008
42. Greenstein Y, Lakticova V, **Kory P**, Mayo PH. Adequate Chest Compressions: Are Gender and Duration of Compression Important Variables? Poster Presentation, Annual Meeting of the ACCP, 2008.
43. **Kory P**, Mayo PH. "Mild Therapeutic Hypothermia; a Rapid, Inexpensive Technique for the ICU". Oral Presentation, Annual Meeting of the ACCP, 2007.

## Invited Research Presentations

### Local

Department of Neurology Grand Rounds, Beth Israel Medical Center

"Treatment of Anoxia in the Post-Cardiac Arrest Patient", August 2008

Department of Emergency Medicine Grand Rounds, Beth Israel Medical Center

"Techniques for Induction of Therapeutic Hypothermia", September 2008

Department of Medicine Grand Rounds, Beth Israel Medical Center

"Therapeutic Hypothermia – The BI Experience", December 2009

Division of Cardiology, Beth Israel Medical Center

"Therapeutic Hypothermia in the Post-Arrest Patient" - 2009, 2010, 2011

Department of Family Medicine, Beth Israel Medical Center

"Overview of Pulmonary Function Testing", April 2009

"Obstructive and Restrictive Spirometry", May 2009

Division of Cardiology, Beth Israel Medical Center

Cardiology Nurse Practitioner Service Simulation Training Series,  
Basic Airway Management and Code Leadership Skills, April 2011

NYU Downtown Hospital, Dept. of Medicine Noon Conference, August 1, 2011

"Overview of Lung Ultrasonography"

## Regional

Fire Department of New York/Greater New York Hospital Association,  
“Project Hypothermia”, March 2009  
Speaker Panel Member “Experience in Development of an Institutional Hypothermia Protocol”

New York City Regional Emergency Ultrasound Symposium, Mount Sinai Roosevelt Hospital, March 18, 2015  
“Using Ultrasound for Fluid Responsiveness”

## National/International

Cardiothoracic Surgical Critical Care Association Annual Meeting  
Washington, DC, May 4-8, 2008  
Keynote Speaker - “Applications of Critical Care Ultrasonography”

American Institute of Ultrasound Medicine Annual Meeting,  
New York, NY, April 24, 2008  
General Session Lecture – “Ultrasonography for the Diagnosis of Dyspnea”

American College of Chest Physicians 73<sup>rd</sup> Annual International Assembly.  
Philadelphia, PA, October 25-October 30, 2008  
Highlight Session - “Therapeutic Hypothermia: Review of the Evidence”

American College of Chest Physicians 74<sup>th</sup> Annual International Assembly.  
San Diego, CA, October 31-November 5, 2009  
General Session – “Update in Therapeutic Hypothermia”

## Patents

2012 U.S. Patent Serial No. 61/181,324 – Touchless Isolation Gown Dispenser. Sole Inventor. Device engineered to allow rapid entry of health care providers into isolation gowns without contamination of exterior surfaces.

## Educational Activities & Presentations

### Classroom Teaching

#### 1. MEDICAL STUDENTS

**University of Wisconsin School of Medicine and Public Health - UWMC**  
2015 - Respiratory Pathophysiology Small Group Sessions– 2 sessions  
2016-- Trauma and Life Support Morning Conference Series – 2 hours/month

2016 – Ultrasound Integration into Physical Diagnosis – the role of Echocardiography  
 2016 - Respiratory Pathophysiology, Small Group Sessions (ILD)– 2 sessions  
 2017- Video Lecture Series, New Curriculum, “Respiratory Support Devices”  
 2017 - Respiratory Pathophysiology, Small Group Sessions (ILD)– 2 sessions  
 2018 – Acute Care Teacher - Coach – Acute Care Course  
 2018 - Respiratory Pathophysiology, Small Group Sessions (ILD) – 2 sessions

#### **Albert Einstein College of Medicine - Beth Israel Medical Center**

2007-2010 – Summer Research Scholar Program, Simulation Training Center  
 Taught 10-15hrs/week, accepted 1-4 students/summer  
 2007-Yonatan Greenstein  
 2008- Matthew Marks, Dana Berg, Meir Saadia, Annie Katz  
 2009- Elena Clark, Stephanie Haimowitz, Alyssa Fischer  
 2010- Dovi Ettinger, Melissa Iamatteo, Abby Ettinger  
 2008-2015 Dept. of Medicine Noon Conference Series–5 lectures/year, 8-10 students/lecture

## 2. PHYSICIAN ASSISTANT STUDENTS

#### **University of Wisconsin Physician Assistant Program**

2019 – ARDS/Acute Respiratory Failure Lecture

## 3. RESIDENTS

#### **University of Wisconsin Residency Programs**

2015 – November - Internal Medicine Residency Morning Report – Pleural Effusions  
 2015 – August – Emergency Medicine Residency M & M  
 2016 –Trauma and Life Support Morning Conference Series – 2 hours/month  
 2017- Trauma and Life Support Morning Conference Series – 2 hours/month  
 2018 - Trauma and Life Support Morning Conference Series – 2 hours/month  
 2019 - Trauma and Life Support Morning Conference Series – 2 hours/month

#### **American Family Children’s Hospital**

Pediatric Intensive Care Unit Point of Care Ultrasound Program  
 2015- Present, Director, Lung Ultrasonography Curriculum  
 2015- Present Co-Director, Faculty Member –Point of Care Ultrasound Curriculum

#### **Albert Einstein College of Medicine - Beth Israel Medical Center**

2008-15

• Noon Conference Lectures	5 hr/yr	5 hr/yr
• Journal Club Resident Mentor	3-4 hr/yr	4 hr/yr
• Basic Airway Mgmt. Skills	15hr/wk, 3wk/yr	45 hr/yr
• Chest Compression Skills	5hr/wk, 3wk/yr	15 hr/yr
• Code/RRT Leadership Skills	20 hr/wk, 3wk/yr	60 hr/yr
• Code Team Practice	1 hr/month	12 hr/yr
• Ultrasound Elective	15 hr/wk,4 wk/yr	60 hr/yr
• Simulation Training Elective	10hr/wk, 2wk/yr	20 hr/yr

## 4. FELLOWS

## LOCAL:

**University of Wisconsin School of Medicine and Public Health – PCCM Fellowship**

2015 - 2019- Advanced Airway Management Simulation Training – Four hours

2015 - 2019- Critical Care Ultrasonography Course– 16 hours

2016-19 – Critical Care Trans-Esophageal Echocardiography Simulation Training

2016-18 – Critical Care Ultrasound Cases and Clip Review Sessions– 4 hours/year

2017-19 – “Ventilator School” – Lecture Series to Cardiology, Pulmonary, Anesthesia, RT

**Albert Einstein College of Medicine - Beth Israel Medical Center,**

2008-2015

Advanced Airway Management            10 hr/yr            10 hr/year

Ventilator Management                    5 hr/yr            5 hr/yr

Morning Case Conference                3/wk, 48 wk/yr 156 hr/yr

Core Conference Lectures                10 lectures/yr 10 hr/yr

Fellows Ultrasound Course              3 days/year      25 hr/yr

## REGIONAL:

**Annual Midwest Regional Fellows Course in Critical Care Ultrasonography – A collaborative of Midwest PCCM Fellowships**

Senior Faculty, Co-Organizer, Main Lecturer

Chicago IL, July 30,31 2015

Chicago, IL July 24,25 2016

Iowa City IA, July 23, 24 2017

Iowa City, IA, July 16,17, 2018

**Regional Fellows Classroom Instruction – New York**

Greater New York Hospital Association/United Hospital Fund, Senior Faculty, Annual Critical Care Fellows Ultrasound 2 Day Training Course, New York, NY

October 20-26, 2007

September 24-26, 2008

September 30-Oct 2, 2009

July 28-30, 2010

July 18-20, 2011

**New York City Fellows Bronchoscopy Course – Beth Israel Medical Center**

“Indications/Contraindications to Fiberoptic Bronchoscopy”, July 2009

**New York City Fellows Course in Advanced Bronchoscopic Techniques, July 26, 2010**

Lecturer– “Indications and Contraindications to Bronchoscopy”

Hands-On Training Faculty – “Foreign Body Removal Techniques”

## NATIONAL:

American Thoracic Society International Conference - Pulmonary and Critical Care Fellows

Symposium 2012-2019 Annual Dinner Highlight Session Speaker

“Overview of Critical Care Ultrasonography”

Co-Director, West Coast Regional Fellows Course in Critical Care Ultrasonography  
University of Southern California, November 13,14, 2015  
University of California, Los Angeles September 8,9 2016  
Cedars-Sinai Medical Center, Los Angeles Sept 9,10 2017  
University of Southern California, November 13,14, 2018

University of Southern California, Keck School of Medicine, Division of Pulmonary  
and Critical Care Grand Rounds, Los Angeles, CA, June 20, 2014  
Visiting Professor, Fellows Symposium  
“Performing a General Critical Care Ultrasound Exam”

## 5. FACULTY INSTRUCTION

Course Director, National Jewish Health Center, Denver, CO, November, 2010  
Critical Care Division – 2-Day Intensive Course in Critical Care Ultrasonography

Course Director, St. Luke’s-Roosevelt Pulmonary and Critical Care Division,  
Sept 25-26, 2011 “Ultrasonography for the Critical Care Attending”

Greater New York Hospital Association, November 4, 2011  
Clinical Controversies in Critical Care Symposium, Debater, Con Argument –  
“Paralytics are the Standard of Care for ARDS”

Course Director, Winthrop University Hospital and St. Luke’s-Roosevelt Medical Center  
Pulmonary and Critical Care Divisions 2-Day Course in Critical Care Ultrasonography,  
January 9-10, 2012 “Intensive Ultrasonography Training for the Critical Care Attending”

Course Director, University of Medicine and Dentistry of New Jersey, Pulmonary and  
Critical Care Division, Critical Care Ultrasonography Course,  
“Intensive Ultrasonography Training for the Critical Care Attending”  
Jan 15-17, 2013  
April 18-19, 2015  
May 29, 30 2016  
March 15,16 2017

Department of Obstetrics and Gynecology, Beth Israel Medical Center  
“M&M – Afferent/Efferent Limbs of the RRT System”, September 2011

Beth Israel Medical Center Board of Overseers Meeting –  
“Case Presentation and Overview of Therapeutic Hypothermia Program Data, May 2013

### UWSMPH/Hospital Regional CME Courses:

Course Director, Lecturer (10-12 Lectures): “Fundamentals of Point of Care  
Ultrasonography in Critical Care and Acute Care Settings” – hosted by the Division of  
Allergy, Pulmonary, and Critical Care

August 8,9, 2015 - , – Faculty, Fellows, Residents,  
January 8,9,2016 – Faculty, Fellows, APP’s, Residents  
February 10,11, 2017 - Faculty, Fellows, Nurse Practitioners, Residents, Students  
May 4,5 2018 - Faculty, Fellows, Nurse Practitioners, Residents, Students  
May 3,4, 2019 - Faculty, Fellows, Nurse Practitioners, Residents, Students

Regional Course Faculty - Arndt Airway Course, Department of Anesthesia, UWSMPH  
“Ultrasound Use in Anesthetic Emergencies” - Lecture and Hands-on Sessions  
October 1,2016  
Sept 29, 2017  
Sept 28, 2018

Regional Course Faculty – Dept of Nursing Spring 2019  
Faculty Lecturer – “updates in Sepsis Management

Same for Fall 2019

OPRo-con debate – asystole/Pea  
Pro-con debate – Myoclonus – should we cool?

#### CME Presentations – Departmental:

University of Wisconsin AFCH - Childrens Hospital of Philadelphia Pediatric Ultrasound Course  
Faculty, Hands-On Sessions – September 26, 2018

University of Wisconsin Hospital and Clinics, Division of Hospital Medicine CME Lecture Series  
June 6, 2019 -“Metabolic Resuscitation, A Major Therapeutic Advance and the Future of Critical Care”  
October 12, 2016 - “CPAP, BPAP, HiFlow – Which One When?”

Department of Medicine Grand Rounds, Beth Israel Medical Center  
2009 - “Bornholm’s Disease” – Clinicopathologic Conference Clinician,

Departments of Respiratory Therapy and Nursing, Beth Israel Medical Center, NY, NY  
July 2010 CME Lecture - -“Airway Pressure Release Ventilation”

Institute of Urban and Family Health Medicine, Grand Rounds, Beth Israel Medical Center  
December 2011 - “Overview of the Diagnosis and Management of COPD”, December, 2011

Division of Hospitalists, CME Lecture Series, Beth Israel Medical Center, NY, NY  
“Simulation Training at Beth Israel – Past, Present, and Future”, July 2010  
“Applying Medical Ethical Principles to CPR Decisions”, April 2012

## Invited Extramural Grand Rounds Lectures:

Medical College of Wisconsin, Division of Nephrology Grand Rounds, Visiting Professor Session

December 17, 2019 “Ultrasonography applications in Clinical Nephrology”

University of Louisville, Louisville, KY- Department of Medicine Grand Rounds

April 16, 2019 - “Ultrasound in the Management of Cardiopulmonary Failure”

New York University Winthrop Hospital, Mineola, NY – Pulmonary/Critical Care Grand Rounds

January 7, 2019 - “Metabolic Resuscitation – A Major Therapeutic Advance, Future of Critical Care”

North Shore University Hospital, Manhasset, NY. Pulmonary and Critical Care Grand Rounds

January 18, 2019 - “The Importance of Avoiding Hyperoxia in the Critically Ill”

Medical College of Wisconsin, Milwaukee, WI Department of Anesthesia Grand Rounds, Visiting Professor Session

“Ultrasonography in the Management of Cardiopulmonary Failure”

University of Kansas, Kansas City, KS Department of Medicine Grand Rounds Visiting Professor Sessions

April 8, 2018 - “Developing a Point-of-Care Ultrasound Curriculum for Internal Medicine Residents”

University of Southern California, Los Angeles, CA - Hastings Center for Pulmonary Research Grand Rounds

Pulmonary and Critical Care Research Symposium, April, 2018

“Echocardiography in the Differentiation and Management of Shock States”

Lankenau Medical Center, Philadelphia, PA Department of Medicine Grand Rounds, Visiting Professor

March 6, 2018 - “Ultrasound in the Management of Cardiopulmonary Failure”

Mount Sinai Beth Israel Medical Center, NY, NY Department of Medicine Grand Rounds

New York City, NY December 19, 2017

“Lung Ultrasonography to Improve Diagnostic Accuracy”

Cedars-Sinai Medical Center, Los Angeles, CA Department of Medicine Grand Rounds

Los Angeles, CA September 8, 2017

“Echocardiography in the Differentiation and Management of Shock States”

University of California, Los Angeles Department of Medicine Grand Rounds, Sept 8, 2016

“Lung Ultrasound in the Differentiation of Acute Respiratory Failure”

Mt. Sinai West Department of Medicine Grand Rounds, NY, NY January 22, 2016  
“Ultrasonography in the Management of Cardiopulmonary Failure”

University of Wisconsin Hospital and Clinics, Division of Allergy, Pulmonary and Critical Care Medicine, Critical Care Grand Rounds, Madison, WI, October 2, 2014  
“Improving Diagnostic Accuracy in Acute Respiratory Failure - Role of Lung Ultrasonography”

University of Southern California, Keck School of Medicine, Division of Pulmonary and Critical Care Grand Rounds, Los Angeles, CA, September 9, 2015  
Will Rogers Foundation Sponsored Grand Rounds - “Improving Diagnostic Accuracy of Dyspnea”

University of Southern California, Keck School of Medicine, Division of Pulmonary and Critical Care Grand Rounds, Los Angeles, CA, June 20, 2014  
Grand Rounds Presentation - “Echocardiography in the Management of Shock States”

#### Invited Intramural Grand Rounds Lectures – University of Wisconsin:

Department of Hospital Medicine

2019: “Metabolic Resuscitation – A Major Therapeutic Advance and the Future of Critical Care”

2018 – Hi-FLOW, CPAP, BPAP – “Which one when and how?”

Division of Hematology and Oncology, Bone Marrow Transplant Service (not a CME though)

“Metabolic Resuscitation – A Major Therapeutic Advance and the Future of Sepsis Therapy”

University of Wisconsin Department of Nursing

February 2019 – Sepsis Grand Rounds - Case Presentations

Department of Anesthesia Grand Rounds

2019, January – “The Harms of Hyperoxia in the ICU: Stop Being an Oxy-Moron”

Division of Allergy, Pulmonary and Critical Care Grand Rounds

2019: “Metabolic Resuscitation – A Major Therapeutic Advance and the Future of Critical Care”

2018: The Harms of Hyperoxia in the ICU: Stop Being an Oxy-Moron

2017: Goal-Directed TEE in the ICU – Utility and Applications

2016: Accuracy of Lung Ultrasound in Acute Respiratory Failure

Department of Emergency Medicine

2018 -“Metabolic Resuscitation – A Major Therapeutic Advance and the Future of Critical Care”

2017 “Ultrasound in the Differentiation of Shock States”,

2016 - “Ultrasound in the Differentiation of Respiratory Failure States”

2015 – Emergency Department M & M Guest Lecturer/Presenter

Division of Nephrology Grand Rounds

2016- “Fluid Balance Evaluation and Ultrasound Techniques”

Division of Pulmonary and Critical Care Grand Rounds, Beth Israel Medical Center –

2012- “Echocardiography in the Diagnosis and Management of Shock States “-

2013 - “Lung Ultrasonography in the Intensive Care Unit – Case Based Illustration”, Sept 19, 2013

Institute of Urban and Family Health Medicine Grand Rounds, Beth Israel Medical Center

2014, June 6 - “Update in the Outpatient Management of COPD”

## State &amp; Regional Invited CME Lectures:

**Wisconsin**

University of Wisconsin Update in Medical-Surgical Nursing Conference, EPIC Campus  
April 2019 – “Update in Sepsis Diagnosis and Treatment”

Wisconsin Department of Health COVID-19 Webinar  
June 1, 2020 - “Care of the Critically Ill COVID-19 Patient”

Wisconsin Department of Health COVID-19 Webinar  
July 30, 2020 - “Update in COVID-19 Care”

**New York**

9<sup>th</sup> Annual Mid-Atlantic Hospital Medicine Symposium, “Mastering the Care of the Hospitalized Patient”, Icahn School of Medicine at Mount Sinai, New York, New York, October 24, 2014

Senior Faculty “Skills Symposium – Arterial Blood Gas Analysis”

Mount Sinai Beth Israel Medical Center, Division of Hospitalists  
Faculty Development Lectures- July 8, 2020

“The ABC’s of ABG’s”

“Achieving Oxygenation and Ventilation without Intubation”

**National Conference Invited Lectures:**

Senior Faculty/Lecturer- American College of Chest Physicians, “Fundamentals of Critical Care Ultrasonography” 3 Day National Training Courses

April 28-30, 2007, Orlando, FL

December 7-9, 2007, Scottsdale, AZ

April 16-18, 2008, St. Louis, MO

April 23-25, 2009, Fort Lauderdale, FL

May 1-3, 2010, Austin, TX

April 15-17, 2011, Baltimore, MD

Senior Faculty, American College of Chest Physicians, “Focused Critical Care Echocardiography”, 2-Day National Training Course, Chicago, IL

September 17-18, 2008

September 19-20, 2009

September 18-19, 2010

September 24-25, 2011

Senior Faculty, American College of Chest Physicians, “Focused Pleural-Vascular Ultrasonography Course”, Chicago, IL

September 19-20, 2008

September 18-19, 2009

September 16-17, 2010

September 22-23, 2011

American College of Chest Physicians Annual International Assembly  
Simulation Training Center Faculty – Critical Care Ultrasonography Section

Chicago, IL October 20-October 26, 2007

Philadelphia, PA October 25-October 30, 2008

San Diego, CA October 31-November 5, 2009

Vancouver, Canada October 30-November 5, 2010

Honolulu, HI October 22-October 26, 2011

Atlanta, GA, October 20-25, 2012

Chicago, IL, October 26- 31, 2013

American College of Chest Physicians 75<sup>th</sup> Annual International Assembly,  
Vancouver, Canada. October 30 - November 5, 2010

Lecturer, Post-Graduate Course in Critical Care Ultrasonography - “DVT”

Lecturer, Symposium on Advanced ICU Echocardiography - “Use of Doppler”

General Session - “Ultrasound for the Pulmonary Consultant”

American College of Chest Physicians 76<sup>th</sup> Annual International Assembly,  
Honolulu, HI, October 30 - November 5, 2011

Lecturer, Panel Session - “Abdominal and Vascular Ultrasonography in the Diagnosis and Management of Cardiorespiratory failure”

American Thoracic Society International Conference 2011, Denver, CO  
Pulmonary and Critical Care Fellows Symposium, Highlight Presentation Speaker  
“Overview of Critical Care Ultrasonography”

American Thoracic Society International Conference 2012, San Francisco, CA  
Program Chair – “Impact of Ultrasonography in Assessing Cardiorespiratory Failure”  
Clinicians Center Luncheon Program, “Introduction to Critical Care Ultrasonography”  
Pulmonary and Critical Care Fellows Symposium, Highlight Session Speaker  
“Overview of Critical Care Ultrasonography”  
Faculty Hands-On Training, Post-Graduate Course – “Incorporating Ultrasound and  
Echocardiography into Intensive Care Unit Practice”  
Lecturer, Post-Graduate Course – “Ultrasonography for Deep Venous Thrombosis”

Course Director, American College of Chest Physicians, “Focused Pleural Vascular  
Ultrasonography”, Chicago, IL, May 3-4, 2012

Course Director, American College of Chest Physicians, “Focused Critical Care  
Echocardiography, Chicago, IL, May 5-6, 2012

Course Director, American College of Chest Physicians, “Focused Pleural Vascular  
Ultrasonography”, Chicago, IL, Sept. 20-21, 2012

Course Director, American College of Chest Physicians, “Focused Critical Care  
Echocardiography, Chicago, IL, Sept. 22-23, 2012

American Thoracic Society International Conference 2012, San Francisco, CA  
Pulmonary and Critical Care Fellows Symposium, Highlight Session Speaker  
“Overview of Critical Care Ultrasonography”  
Program Chair – “Impact of Ultrasonography in Assessing Cardiorespiratory Failure”  
Clinicians Center Luncheon Program, “Introduction to Critical Care Ultrasonography”  
Faculty Hands-On Training, Post-Graduate Course – “Incorporating Ultrasound and  
Echocardiography into Intensive Care Unit Practice”  
Lecturer, Post-Graduate Course – “Ultrasonography for Deep Venous Thrombosis”  
Center for Career Development Session Senior Faculty Networking –  
Career Development Mentor for Junior Attendees

American College of Chest Physicians 77<sup>th</sup> Annual International Assembly,  
Atlanta, GA, October 30 - November 5, 2012  
Simulation Enhanced General Sessions – Daily Lecture (3) on  
“Ultrasound Assessment of Cardiopulmonary Failure”  
Critical Care Ultrasound Certificate Exam – Exam Proctor, Hands-On Training Section  
Simulation Center General Sessions – Critical Care Ultrasonography Overview –  
Hands-On Faculty  
Simulation Center General Sessions – Critical Care Ultrasonography Overview –  
Interpretation Session Moderator

Faculty – Post-Graduate Course in Advanced Critical Care Echocardiography – Lecture on “Principles of Doppler Ultrasonography”

Senior Course Faculty and Institutional Host,  
“Advanced Critical Care Echocardiography”, American College of Chest Physicians, Beth Israel Medical Center, NY, NY, May 29-31, 2013

American Thoracic Society International Conference 2013, Philadelphia, PA  
Dinner Highlight Session Speaker - Pulmonary and Critical Care Fellows Symposium -  
“Overview of Critical Care Ultrasonography”  
Program Chair – “Ultrasonography in the Assessment of Cardiopulmonary Failure”  
Clinicians Center Luncheon Program, “Applications of Critical Care Ultrasonography”  
Faculty Hands-On Training, Post-Graduate Course – “Incorporating Ultrasound and Echocardiography into Intensive Care Unit Practice”  
Lecturer, Post-Graduate Course – “Ultrasonography for Deep Venous Thrombosis”  
Center for Career Development Session Senior Faculty Networking –Career Development Mentor for Junior Attendees

American College of Chest Physicians 78<sup>th</sup> Annual International Assembly,  
Chicago, IL, October 25- October 30, 2013  
Faculty – Post-Graduate Course in Advanced Critical Care Echocardiography – Lecture on “Principles of Doppler Ultrasonography”  
Simulation Enhanced General Sessions – Daily Lecture (3) on “Ultrasound Assessment of Cardiopulmonary Failure”  
Critical Care Ultrasound Certificate Exam – Exam Proctor, Hands-On Training  
Section Simulation Center General Sessions – Critical Care Ultrasonography Overview – Hands-On Faculty  
Simulation Center General Sessions – Critical Care Ultrasonography Overview – Interpretation Session Moderator  
Speaker Panel Member – “Ultrasonography in the Rapid Assessment of Cardiopulmonary Failure”

National Jewish Critical Care Conference, Course Director - Ultrasonography Track,  
Keystone, CO, Feb 5-8, 2014  
“Lung Ultrasonography in the Management of Respiratory Failure”  
“Critical Care Echocardiography Interpretation Practice Session”  
“Ultrasound in the Assessment of Intravascular Volume Status”

Greater New York Hospital Association  
“Care of the Critically Ill COVID-19 Patient”  
Panel Speaker – April 22, 2020

Virtual 15th Annual Mid-Atlantic Hospital Medicine Symposium  
October 16, 2020  
“Oxygen Support Devices”

**International Conference Invited Lectures:**

European Society of Respiriologists/Chest World Congress. 2014, Madrid, Spain  
Faculty, Thoracic Ultrasonography for the Pulmonary Specialist, March 20-24  
Moderator, Poster Session, Critical Care Section, March 22

Western University Critical Care Ultrasonography 2015, London, Ontario, Canada - August  
20,21, 2015 - Guest Lecturer, Interpretation Session Faculty

American College of Chest Physicians World Congress, 2016, Shanghai, China, April 14-18  
2016 – Senior Faculty and Lecturer for “Ultrasonography in the Intensive Care Unit”

**CLINICAL TEACHING**

2012-present Daily supervision and teaching of general and advanced cardiology fellows in  
the adult cardiac catheterization laboratory. (Audience: fellows)

**Mentoring:****UWSMPH – Trainee Mentoring, Other Divisions**

Pediatric Critical Care Fellow - Ryan DeSanti, PICU Ultrasound Mentor 2017-18  
Nephrology Fellow - Sayee Algandaruswamy, Nephrology Ultrasound Mentor, 2017-19  
Mark Frommelt  
Amy Jaeger

**Faculty Promotions Committee Member**

Ryan Thompson – Department of Emergency Medicine  
Benjamin Seides, MD – Division of Pulmonary and Critical Care  
Micah Long, MD – Department of Anesthesiology  
Josh Glazer – Department of Emergency Medicine

**Albert Einstein College of Medicine**

Independent Scholar Mentor: Dovi Ettinger, Hypothermia Therapy, Medical Student, 2011  
Independent Scholar Mentor: Yonatan Greenstein, Simulation Training Medical Student,  
2010

**Other Educational Initiatives:**

Critical Care Ultrasound Curriculum – regular over-reading with written feedback of all  
interpreted ultrasound studies performed by PCCM fellows – approximately 300  
studies/year

2012-15 - Beth Israel Medical Center

2015-19- University of Wisconsin Hospital and Clinics, Trauma and Life Support Center  
Fellows, Residents, Nurse Practitioner Participation (approx. 50 -100 studies/yr)

PICU POCUS Curriculum

Family Medicine POCUS Mentoring

Internal Medicine Residency Ultrasound Curriculum

Critcaresono.org (Founder, Developer): Medical education website with over 600 visitors/month and over 60,000 clips viewed to date (2009 - 2016)

POCUS Website – UW Division of Nephrology, 2019 – tutorials, cases, interpretation practice clips covering a range of pathologies and applications with a specific emphasis on the differentiation of Shock states

## Service Activities

### Departmental:

2010–2015	ABIM/ACGME House Staff Committee Member Beth Israel Medical Center
2011–2015	Director Simulation Training, Dept. of Medicine Beth Israel Medical Center
2014–2015	Clinical Competency Committee Member, Internal Medicine Residency - Mount Sinai Beth Israel Medical Center Clinical Competency Committee Member, Internal Medicine Residency - Mount Sinai Beth Israel Medical Center
2014–2015	Clinical Competency Committee Member, Pulmonary and Critical Care Fellowship - Mount Sinai Beth Israel Medical Center
2016–2018	Clinical Competency Committee Member, Pulmonary and Critical Care Fellowship - University of Wisconsin Hospital and Clinics
2016–2018	Program Evaluation Committee, Pulmonary and Critical Care Fellowship - University of Wisconsin Hospital and Clinics

### UWSMPH/Hospital:

2005–2015	Ethics Committee Member, Beth Israel Medical Center
2006–2015	Clinician Founder and Director - Beth Israel Hypothermia Protocol
2006–2015	CPR Committee Member - Beth Israel Medical Center
2009–2015	Rapid Response Team Committee Member - Beth Israel Medical Center
2010–2011	Simulation Center Design Committee Member
2011–2015	Simulation Center Governance Committee Member - Beth Israel Medical Center
2011	Founder, Director of Hospital RRT Management Protocol, Beth Israel
2015	Trauma and Life Support Center Quality Improvement, UWHC
2015–present	Respiratory Care Committee, UWHC
2015–present	Critical Care Committee Member, UWHC
2015–present	Critical Care Operations Council, UWHC
2016	Inpatient Operations Council, UWHC

2015–17 C.Diff Control Initiative Committee Member, UWHC  
 2015 Sepsis Guideline Creation Committee, UWHC  
 2015 Procalcitonin Guideline Committee, UWHC  
 2015 Unit Council Member –Trauma and Life Support Center, UWHC  
 2015 QI Committee Member–Trauma and Life Support Center, UWHC  
 2016 Ventilator Policy Test of Change Committee Member, UWHC  
 2016 HAP/VAP Guideline Committee  
 2016 Albumin Guideline Committee Member, UWHC  
 2017–2018 Sepsis Surveillance System Initiative Committee, UWHC  
 2017–2018 Critical Care Services Committee–TAC, Meriter, UWHC  
 2017–2018 PERT Committee, UWHC  
 2017–2018 CTICU Critical Care Service Collaboration Committee, UWHC  
 2017 Post–Cardiac Arrest Care Guideline Committee  
 2018–2019 TAC ICU Policy Committee  
 2019 Alcohol Withdrawal Guideline Committee  
 University of Wisconsin –Pulmonary Embolism Response Team–Provide consultative care and endovascular therapy for acute pulmonary embolism.  
 Sepsis Guideline Committee  
 C.Diff prevention committee  
 Sepsis Early warning Committee

#### Community:

2009–2012 Fire Department of New York, *Project Hypothermia* Clinician leadership team - planning, implementation, and data collection

#### Regional:

2008–2014 Greater New York Hospital Association/United Hospital Fund – Senior Faculty, Fellows Course in Critical Care Ultrasonography

#### National/International:

2006–2013 American College of Chest Physicians - Senior Faculty and Lecturer, National Courses in Fundamentals of Critical Care Ultrasonography  
 2008–2013 American College of Chest Physicians Annual Conference - Simulation Training Center Faculty - Critical Care Ultrasonography Section  
 2009–present *Journal of Intensive Care Medicine*, Reviewer  
 2010 American College of Chest Physicians - Co-author, Critical Care Ultrasonography Certificate Exam - Practical and Written Components  
 2010 *Respiration*, Reviewer  
 2011–2013 American College of Chest Physicians - Director, National Course in Advanced Critical Care Echocardiography  
 2011–2013 American College of Chest Physicians - Director, National Course in Advanced Pleural and Vascular Ultrasonography

- 2011–2014 American College of Chest Physicians - Proctor and Grader, Critical Care Ultrasonography Certificate Exam
- 2012–present *American Journal of Critical Care*, Reviewer
- 2012–present *Critical Care Medicine*, Reviewer
- 2012 American College of Chest Physicians-Faculty, Simulation Training in Fundamentals of Trans-Esophageal Echocardiography
- 2012–present American College of Chest Physicians - Ultrasound Portfolio Reviewer, Certificate Program in Critical Care Ultrasonography
- 2012 External Reader, Research Grants - Michael Smith Foundation for Health Research, Toronto, CA
- 2012,2013 American Thoracic Society - Faculty Member, Lecturer, Postgraduate Course in Critical Care Ultrasonography
- 2013 *Annals of the American Thoracic Society*, Reviewer
- 2013 *Chest*, Reviewer
- 2013 Advanced Critical Care Echocardiography Certification Planning Committee - National Board of Echocardiography and ACCP
- 2014 *Thrombosis and Thrombolysis*, Reviewer
- 2015–present *Annals of Intensive Care Medicine*, Reviewer