

CURRICULUM VITAE

Corey Ventetuolo

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EDUCATION

- 5/1999 University of Pennsylvania Philadelphia, PA, Major: Biological Basis of Behavior, Minor: Biology, B.A., Magna cum laude Distinction in Major
- 5/2003 Tufts University Boston, MA, M.D., Medicine
- 5/2011 Mailman School of Public Health, Columbia University New York, NY, M.S.

POSTGRADUATE TRAINING

- 7/2003-6/2004 Brown Medical School Residency Program, Rhode Island Hospital/Miriam Hospital/VA Medical Center Providence, RI, Intern, Internal Medicine
- 7/2004-6/2006 Brown Medical School Residency Program, Rhode Island Hospital/Miriam Hospital/VA Medical Center Providence, RI, Resident, Internal Medicine
- 7/2006-6/2007 Brown Medical School Residency Program, Rhode Island Hospital/Miriam Hospital/VA Medical Center Providence, RI, Chief Resident, Internal Medicine
- 7/2007-6/2009 Columbia University, New York Presbyterian Hospital, New York, NY, Clinical Fellow, Division of Pulmonary, Allergy, and Critical Care Medicine, Included specialized pulmonary vascular disease training, University of Colorado, Weill-Cornell Heart Failure Center
- 7/2009-6/2010 Columbia University College of Physicians and Surgeons, New York Presbyterian Hospital New York, NY, Research Fellow, Division of Pulmonary, Allergy, and Critical Care Medicine

POSTGRADUATE HONORS AND AWARDS

- 5/1998 Mie Kim Najita Fellowship, Parmly Hearing Institute, Loyola University of Chicago
- 5/1999 Rose Award for Excellence in Undergraduate Research, University of Pennsylvania

- 5/2003 The Charles and Jane Brusch Prize. Awarded to a graduating medical student for “achievement in the art and skill of the doctor-patient relationship and a high degree of understanding, integrity, and maturity in the care of the patient,” Tufts University
- 5/2006 Housestaff Teaching Award, Brown Medical School Residency Program
- 7/2006-6/2007 Haffenreffer Fellow in Medical Sciences, Rhode Island Hospital and Brown Medical School
- 5/2007 Member, Alpha Omega Alpha
- 2009 Presidential Citation Award, Society of Critical Care Medicine
- 5/2009 Trainee Travel Award, American Thoracic Society International Conference 2009
Presidential Citation Award, Society of Critical Care Medicine
- 2010 Chief Fellow, Pulmonary/Critical Care Medicine Fellowship, Columbia University College of Physicians and Surgeons
- 2013 “40 Under 40”, Providence Business News
- 2013 Teacher of the Year Award, Division of Pulmonary, Sleep, and Critical Care Medicine, Alpert Medical School of Brown University
- 2016 2016 Resident Teaching Award, Internal Medicine Residency Program, Alpert Medical School of Brown University
- 2016 Beckwith Family Award of Outstanding Teaching, Alpert Medical School of Brown University, Department of Medicine
- 2020 Nominee, Brown University, 2020 Innovators in Science Award, New York Academy of Sciences
- 2022 Mentor, Parker B. Francis Fellowship Program
- 5/2023 Dean’s Award for Excellence in Graduate and Postdoctoral Teaching and Mentoring in the Biological Sciences, Alper Medical School of Brown University †
- 5/2024 Mid-Career Research Achievement Award, Brown University

† Diversity, Equity, and Inclusion (DEI) activity

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

- 6/2011 Medical license, Rhode Island
- 11/2019 American Board of Internal Medicine: Critical Care
- 11/2019 American Board of Internal Medicine: Pulmonary Disease

ACADEMIC APPOINTMENTS

- 7/2010-6/2011 Instructor of Medicine, Columbia University College of Physicians and Surgeons, NY, NY
- 7/2011-6/2012 Instructor of Medicine, Alpert Medical School of Brown University, Providence, RI
- 7/2012-6/2018 Assistant Professor, Department of Health Services, Policy and Practice, Brown University, Providence, RI
- 7/2012-6/2018 Assistant Professor of Medicine, Alpert Medical School of Brown University, Providence, RI
- 2016-2020 Director of Research, Division of Pulmonary, Critical Care and Sleep Medicine, Alpert Medical School of Brown University, Providence, RI
- 12/2017-5/2025 Associate Professor of Medicine, Alpert Medical School of Brown University, Providence, RI
- 7/2018-5/2025 Associate Professor, Department of Health Services, Policy and Practice, Brown University, Providence, RI
- 2020- Director of Academic Affairs, Division of Pulmonary, Critical Care, and Sleep Medicine, Alpert Medical School of Brown University, Providence, RI †
- 12/2021- Associate Chief, Division of Pulmonary, Critical Care, and Sleep Medicine, Alpert Medical School of Brown University, Providence, RI
- 5/2025- Professor of Medicine, Alpert Medical School of Brown University, Providence, RI
- 5/2025- Professor, Department of Health Services, Policy and Practice, Brown University, Providence, RI

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HOSPITAL APPOINTMENTS

- 7/2010-6/2011 Attending Physician, New York Presbyterian Hospital, NY, NY
- 7/2011-12/2021 Associate Director, Pulmonary Hypertension Center, Rhode Island Hospital
- 7/2011- Attending Physician, Division of Pulmonary, Critical Care, and Sleep Medicine, Lifespan/Rhode Island and Miriam Hospitals, Providence, RI
- 7/2011- Medical Director, Adult ECLS Program, Brown University Health, Providence, RI
- 6/2016-12/2020 Director of Research, Division of Pulmonary, Critical Care, and Sleep Medicine, Brown University Health, Providence, RI
- 8/2016- Attending Physician, Division of Pulmonary, Critical Care, and Sleep Medicine, Brown University Health, Providence, RI
- 12/2020- Director of Academic Affairs, Alpert Medical School of Brown University
- 12/2021- Associate Chief, Alpert Medical School of Brown University

10/2023 Inaugural Director, Center for Advanced Lung Care, Brown University Health, Providence, RI †

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OTHER APPOINTMENTS

Peer Reviewer, American Journal of Physiology Heart and Circulatory Physiology

Peer Reviewer, American Journal of Respiratory and Critical Care Medicine

Peer Reviewer, Annals of the American Thoracic Society

Peer Reviewer, Arthritis & Rheumatology

Peer Reviewer, Arthritis and Rheumatism Biomarkers

Peer Reviewer, Circulation

Peer Reviewer, Circulation: Cardiovascular Imaging, Circulation: Heart Failure
Circulation Research

Peer Reviewer, Critical Care Medicine

Peer Reviewer, European Respiratory Journal

Peer Reviewer, Hypertension

Peer Reviewer, Intensive Care Medicine

Peer Reviewer, Journal of Clinical Investigation

Peer Reviewer, Journal of the American College of Cardiology

Peer Reviewer, Lancet, Respiratory Medicine

Peer Reviewer, PLOS Medicine

2008-2010 Program Committee, Society of Critical Care Medicine, International Meeting

5/2012-5/2017 Pulmonary Circulation Program Committee, American Thoracic Society

1/2013- Pulmonary Hypertension Care Centers Initiative Committee Registry Task Force,
Pulmonary Hypertension Association

8/2013- Pulmonary Vascular Disease Steering Committee, American College of Chest
Physicians

5/2014-5/2016, Nominating Committee, Pulmonary Circulation Assembly, American Thoracic
2020-2021 Society

2015 First Author, Writing Committee, "Extracorporeal Life Support for Pulmonary
Arterial Hypertension and Right Ventricular Failure", Extracorporeal Life Support
Organization Guidelines

- 2015 Member, Scientific Sessions Committee, Pulmonary Hypertension Association's 2016 International Conference and Scientific Sessions
- 2015 Study section scientific reviewer, Peer Reviewed Medical Research Program (PRMRP) for the Department of Defense Congressionally Directed Medical Research Programs
- 2017-2021 Member, Early Career Committee, 3CPR Council on Cardiopulmonary, Critical Care, Perioperative and Resuscitation, American Heart Association
- 2017-1/2024 Board Member, Brown Physicians, Inc. Brown Medicine
- 2017- Associate Editor, Annals of the American Thoracic Society
- 2017- Chair, PH Care Center Communications Committee, Pulmonary Hypertension Association
- 9/2017 Invited Speaker, Right Heart Failure Workshop, NHLBI
- 2018, 2019 Ad hoc scientific reviewer, NHLBI Mentored Patient-Oriented Research Review Committee, National Institutes of Health
- 2018 Data Safety Monitoring Board Member, ELAFIN 01&02 “Elafin Therapy in Pulmonary Arterial Hypertension”
- 2018 Reviewer, CHEST Foundation Grants
- 2018 Reviewer, Dutch Heart Foundation
- 2018-2019 Scientific Advisory Committee, American Thoracic Society
- 2018- Scientific Leadership Council Education Committee, Pulmonary Hypertension Association
- 6/2018- Scientific Leadership Council, Pulmonary Hypertension Association
- 2019-2020 Chair, Scientific Sessions Committee,, Pulmonary Hypertension Association's 2020 International Conference and Scientific Sessions
- 2019-6/2023 Member, Respiratory Integrative Biology and Translational Research, Study Section, National Institutes of Health
- 2019- Editorial Board Member, American College of Chest Physicians, CHEST
- 2021 Reviewer, CHEST Foundation Critical Care Research Grant
- 2021-2022 Program Chair-Elect, Pulmonary Circulation Assembly, American Thoracic Society 2022 International Conference
- 2021- Member At Large, 3CPR Leadership Committee, Council of Cardiopulmonary Critical Care, Perioperative and Resuscitation, American Heart Association
- 2021- Member At Large, 3CPR Scientific & Clinical Education Lifelong Learning Committee, Council of Cardiopulmonary Critical Care, Perioperative and Resuscitation, American Heart Association

- 2021- Pulmonary Disease Longitudinal Knowledge Assessment Approval Committee, American Board of Internal Medicine
- 2022-5/2023 Program Chair, Pulmonary Circulation Assembly, American Thoracic Society 2023 International Conference
- 2022-12/2023 Planning Committee, Pulmonary Vascular Research Institute, 2024 International Meeting
- 2022- Editorial Board Member, American Journal of Respiratory and Critical Care Medicine
- 4/2023-4/2024 Fellow, Executive Leadership in Academic Medicine †
- 11/2023 Fellow, American Heart Association
- 5/2024 Scientific Grant Review Committee, American Thoracic Society
- 5/2024- Chair-Elect, Pulmonary Circulation Assembly, American Thoracic Society †
- 5/2025- Chair, Pulmonary Circulation Assembly, American Thoracic Society

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HOSPITAL COMMITTEES

- 7/2005-7/2007 Curriculum Committee/Wards Redesign, Internal Medicine Residency Program Rhode Island Hospital
- 7/2011-6/2013 Quality Initiative Committee, Quality Officer for the Division of Pulmonary, Critical Care, and Sleep Medicine, Lifespan/Rhode Island and Miriam Hospitals
- 2018- Research Advisory Committee, Lifespan Hospital System
- 2019- Predictive Analytics Oversight Committee, Lifespan Hospital System
- 2020- COVID Advisory Committee, Institutional Review Board, Lifespan Hospital System
- 2022- Research Computing and Data Committee, Lifespan Hospital System

UNIVERSITY COMMITTEES

- 1999-2002 Member, Medical Education Review Committee, Tufts University
- 8/2005-7/2007 Member, Physicians Health Committee, Rhode Island
- 10/2011- Member, Resident Selection Committee, Internal Medicine Residency Program, Alpert Medical School of Brown University
- 2018- Member, Brown Medicine Research Review Committee
- 2019- Member, Advance K Curriculum Committee, Alpert Medical School of Brown University

- 7/2022-6/2025 Elected Member, Medical Faculty Executive Committee, Alpert Medical School of Brown University
- 9/2022-6/2025 Member, Recruitment and Retention Subcommittee, Medical Faculty Executive Committee, Alpert Medical School of Brown University
- 4/2023- Committee Member, Clinical Studies, Brown Innovation and Research Collaborative for Health (BIRCH), Alpert Medical School of Brown University

MEMBERSHIP IN SOCIETIES

- 2003-2007 Member, American College of Physicians
- 2006-2007 Member, Rhode Island Medical Society
- 2008-2015 Member, Society of Critical Care Medicine
- 2009- Member, American Thoracic Society
- 2009- Member, Pulmonary Hypertension Association
- 2011- Member, Extracorporeal Life Support Organization
- 2012- Member, American College of Chest Physicians
- 2012- Member, American Heart Association
- 2013- Member, International Society for Heart and Lung Transplantation

PUBLICATIONS LIST

* Co-author, ** Mentee

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Saunders JC, **Ventetuolo CE**, Plontke SK, Weiss BA. Coding of sound intensity in the chick cochlear nerve. *J Neurophysiol.* 2002 Dec;88(6):2887-2898. PMID: 12466415. <https://doi.org/10.1152/jn.00381.2002>
2. **Ventetuolo CE**, Levy MM. Sepsis: a clinical update. *Clin J Am Soc Nephrol.* 2008 Mar;3(2):571-577. PMID: 17989202. PMCID: PMC6631078. <https://doi.org/10.2215/CJN.01370307>. Epub 2007 Nov 7
3. **Ventetuolo CE**, Benza RL, Peacock AJ, Zamanian RT, Badesch DB, Kawut SM. Surrogate and combined end points in pulmonary arterial hypertension. *Proc Am Thorac Soc.* 2008 Jul 15;5(5):617-622. PMID: 18625754. <https://doi.org/10.1513/pats.200803-029SK>
4. **Ventetuolo CE**, Levy MM. Biomarkers: diagnosis and risk assessment in sepsis. *Clin Chest Med.* 2008 Dec;29(4):591-603, vii. PMID: 18954695. <https://doi.org/10.1016/j.ccm.2008.07.001>

5. Mongero LB, Brodie D, Cunningham J, **Ventetuolo C**, Kim H, Sylvan E, Bacchetta MD. Extracorporeal membrane oxygenation for diffuse alveolar hemorrhage and severe hypoxemic respiratory failure from silicone embolism. *Perfusion*. 2010 Jul;25(4):249-52; discussion 253. PMID: 20566586. <https://doi.org/10.1177/0267659110375327>. Epub 2010 Jun 21
6. **Ventetuolo CE**, Ouyang P, Bluemke DA, Tandri H, Barr RG, Bagiella E, Cappola AR, Bristow MR, Johnson C, Kronmal RA, Kizer JR, Lima JA, Kawut SM. Sex hormones are associated with right ventricular structure and function: The MESA-right ventricle study. *Am J Respir Crit Care Med*. 2011 Mar 1;183(5):659-667. PMID: 20889903. PMCID: PMC3081282. <https://doi.org/10.1164/rccm.201007-1027OC>. Epub 2010 Oct 1 †
7. **Ventetuolo CE**, Levy MM. Cardiac biomarkers in the critically ill. *Crit Care Clin*. 2011 Apr;27(2):327-343. PMID: 21440204. <https://doi.org/10.1016/j.ccc.2010.12.004>
8. **Ventetuolo CE**, Klinger JR. WHO Group 1 pulmonary arterial hypertension: current and investigative therapies. *Prog Cardiovasc Dis*. 2012;55(2):89-8103. PMID: 23009906. <https://doi.org/10.1016/j.pcad.2012.07.002>
9. Poor HD, **Ventetuolo CE**. Pulmonary hypertension in the intensive care unit. *Prog Cardiovasc Dis*. 2012;55(2):187-198. PMID: 23009915. <https://doi.org/10.1016/j.pcad.2012.07.001>
10. **Ventetuolo CE**, Barr RG, Bluemke DA, Jain A, Delaney JA, Hundley WG, Lima JA, Kawut SM. Selective serotonin reuptake inhibitor use is associated with right ventricular structure and function: the MESA-right ventricle study. *PLoS One*. 2012;7(2):e30480. PMID: 22363441. PMCID: PMC3281845. <https://doi.org/10.1371/journal.pone.0030480>. Epub 2012 Feb 17 †
11. **Ventetuolo CE**, Lima JA, Barr RG, Bristow MR, Bagiella E, Chahal H, Kizer JR, Lederer DJ, Bluemke DA, Kawut SM. The renin-angiotensin system and right ventricular structure and function: The MESA-Right Ventricle Study. *Pulm Circ*. 2012 Jul;2(3):379-386. PMID: 23130107. PMCID: PMC3487307. <https://doi.org/10.4103/2045-8932.101657> †
12. **Ventetuolo CE**, Kawut SM, Lederer DJ. Plasma endothelin-1 and vascular endothelial growth factor levels and their relationship to hemodynamics in idiopathic pulmonary fibrosis. *Respiration* 2012;84(4):299-305. PMID: 22869459. PMCID: PMC3495134. <https://doi.org/10.1159/000339105>. Epub 2012 Aug 3
13. Dibble CT, Shimbo D, Barr RG, Bagiella E, Chahal H, **Ventetuolo CE**, Herrington DM, Lima JAC, Bluemke DA, Kawut SM. Brachial artery diameter and the right ventricle: the Multi-Ethnic Study of Atherosclerosis-right ventricle study. *Chest*. 2012 Dec;142(6):1399-1405. PMID: 22661452. PMCID: PMC3515023. <https://doi.org/10.1378/chest.12-0028> †
14. Thomashow MA, Shimbo D, Parikh MA, Hoffman EA, Vogel-Claussen J, Hueper K, Fu J, Liu CY, Bluemke DA, **Ventetuolo CE**, Doyle MF, Barr RG. Endothelial microparticles in mild chronic obstructive pulmonary disease and emphysema. The Multi-Ethnic Study of Atherosclerosis Chronic Obstructive Pulmonary Disease study. *Am J Respir Crit Care Med*. 2013 Jul 1;188(1):60-68. PMID: 23600492. PMCID: PMC3735242. <https://doi.org/10.1164/rccm.201209-1697OC> †
15. Goldberg E, Wapner J, **Ventetuolo CE**, Syncope and Dyspnea - A Case Simulation. *MedEdPORTAL*; 2014.
Available from: www.mededportal.org/publication/9734

16. **Ventetuolo CE**, Praestgaard A, Palevsky HI, Klinger JR, Halpern SD, Kawut SM. Sex and haemodynamics in pulmonary arterial hypertension. *Eur Respir J*. 2014 Feb;43(2):523-530. PMID: 23949961. PMCID: PMC4338984. <https://doi.org/10.1183/09031936.00027613>. Epub 2013 Aug 15 †
17. **Ventetuolo CE**, Klinger JR. Management of acute right ventricular failure in the intensive care unit. *Ann Am Thorac Soc*. 2014 Jun;11(5):811-822. PMID: 24828526. PMCID: PMC4225807. <https://doi.org/10.1513/AnnalsATS.201312-446FR>
18. **Ventetuolo CE**, Gabler NB, Fritz JS, Smith KA, Palevsky HI, Klinger JR, Halpern SD, Kawut SM. Are hemodynamics surrogate end points in pulmonary arterial hypertension?. *Circulation*. 2014 Aug 26;130(9):768-775. PMID: 24951771. PMCID: PMC4146736. <https://doi.org/10.1161/CIRCULATIONAHA.114.009690>. Epub 2014 Jun 20
19. **Ventetuolo CE**, Muratore CS. Extracorporeal life support in critically ill adults. *Am J Respir Crit Care Med*. 2014 Sep 1;190(5):497-508. PMID: 25046529. PMCID: PMC4214087. <https://doi.org/10.1164/rccm.201404-0736CI>
20. Leary PJ, Barr RG, Bluemke DA, Bristow MR, Kronmal RA, Lima JA, Ralph DD, **Ventetuolo CE**, Kawut SM. H2 receptor antagonists and right ventricular morphology: the MESA right ventricle study. *Ann Am Thorac Soc*. 2014 Nov;11(9):1379-1386. PMID: 25295642. PMCID: PMC4298988. <https://doi.org/10.1513/AnnalsATS.201407-344OC> †
21. Sangal RB, Taylor LE, Gillani F, Poppas A, Klinger JR, **Ventetuolo CE**. Risk of echocardiographic pulmonary hypertension in individuals with human immunodeficiency virus-hepatitis C virus coinfection. *Ann Am Thorac Soc*. 2014 Dec;11(10):1553-1559. PMID: 25375659. PMCID: PMC4298977. <https://doi.org/10.1513/AnnalsATS.201405-225OC> †
22. Chu DC, Abu-Samra AG, Baird GL, Devers C, Sweeney J, Levy MM, Muratore CS, **Ventetuolo CE**. Quantitative measurement of heparin in comparison with conventional anticoagulation monitoring and the risk of thrombotic events in adults on extracorporeal membrane oxygenation. *Intensive Care Med*. 2015 Feb;41(2):369-370. PMID: 25465907. PMCID: PMC4576157. <https://doi.org/10.1007/s00134-014-3574-3>. Epub 2014 Dec 3
23. Matura LA, **Ventetuolo CE**, Palevsky HI, Lederer DJ, Horn EM, Mathai SC, Pinder D, Archer-Chicko C, Bagiella E, Roberts KE, Tracy RP, Hassoun PM, Girgis RE, Kawut SM. Interleukin-6 and tumor necrosis factor- α are associated with quality of life-related symptoms in pulmonary arterial hypertension. *Ann Am Thorac Soc*. 2015 Mar;12(3):370-375. PMID: 25615959. PMCID: PMC4418312. <https://doi.org/10.1513/AnnalsATS.201410-463OC>
24. **Ventetuolo CE**, Kawut SM. What's the (end) point?. *Eur Respir J*. 2015 Mar;45(3):853-854. PMID: 25726539. <https://doi.org/10.1183/09031936.00191314>
25. **Ventetuolo CE**, Mitra N, Wan F, Manichaikul A, Barr RG, Johnson C, Bluemke DA, Lima JA, Tandri H, Ouyang P, Kawut SM. Oestradiol metabolism and androgen receptor genotypes are associated with right ventricular function. *Eur Respir J*. 2016 Feb;47(2):553-563. PMID: 26647441. PMCID: PMC4831135. <https://doi.org/10.1183/13993003.01083-2015>. Epub 2015 Dec 2 †
26. **Ventetuolo CE**, Baird GL, Barr RG, Bluemke DA, Fritz JS, Hill NS, Klinger JR, Lima JA, Ouyang P, Palevsky HI, Palmisciano AJ, Krishnan I, Pinder D, Preston IR, Roberts KE, Kawut

- SM. Higher Estradiol and Lower Dehydroepiandrosterone-Sulfate Levels Are Associated with Pulmonary Arterial Hypertension in Men. *Am J Respir Crit Care Med*. 2016 May 15;193(10):1168-1175. PMID: 26651504. PMCID: PMC4872665. <https://doi.org/10.1164/rccm.201509-1785OC> †
27. Aliotta JM, Pereira M, Wen S, Dooner MS, Del Tatto M, Papa E, Goldberg LR, Baird GL, **Ventetuolo CE**, Quesenberry PJ, Klinger JR. Exosomes induce and reverse monocrotaline-induced pulmonary hypertension in mice. *Cardiovasc Res*. 2016 Jun 1;110(3):319-330. PMID: 26980205. PMCID: PMC4872877. <https://doi.org/10.1093/cvr/cvw054>. Epub 2016 Mar 14
 28. Foderaro A, **Ventetuolo CE**. Pulmonary Arterial Hypertension and the Sex Hormone Paradox. *Curr Hypertens Rep*. 2016 Nov;18(11):84. PMID: 27832457. <https://doi.org/10.1007/s11906-016-0689-7> †
 29. Abbasi A, Devers C, Muratore CS, Harrington C, **Ventetuolo CE**. Examining the role of extracorporeal membrane oxygenation in patients following suicide attempts: A case series. *J Crit Care* 2017 April; (17) 31218-2.
 30. Foderaro AE, Baird GL, Bazargan-Lari A, Morrissey PE, Gohh RY, Poppas A, Klinger JR, **Ventetuolo CE**. Echocardiographic Pulmonary Hypertension Predicts Post-transplantation Renal Allograft Failure. *Transplant Proc*. 2017;49(6):1256-1261. PMID: 28735990. PMCID: PMC5567835. <https://doi.org/10.1016/j.transproceed.2017.01.085>
 31. Chatterjee NA, Shah RV, Murthy VL, Praestgaard A, Shah SJ, **Ventetuolo CE**, Barr RG, Kronmal R, Lima JA, Bluemke DA, Jerosch-Herold M, Alonso A, Kawut SM. Right Ventricular Structure and Function Are Associated With Incident Atrial Fibrillation: MESA-RV Study (Multi-Ethnic Study of Atherosclerosis-Right Ventricle). *Circ Arrhythm Electrophysiol*. 2017 Jan;10(1):e004738. PMID: 28082528. PMCID: PMC5261825. <https://doi.org/10.1161/CIRCEP.116.004738> †
 32. Kawut SM, Archer-Chicko CL, DeMichele A, Fritz JS, Klinger JR, Ky B, Palevsky HI, Palmisciano AJ, Patel M, Pinder D, Propert KJ, Smith KA, Stanczyk F, Tracy R, Vaidya A, Whittenhall ME, **Ventetuolo CE**. Anastrozole in Pulmonary Arterial Hypertension. A Randomized, Double-Blind, Placebo-controlled Trial. *Am J Respir Crit Care Med*. 2017 Feb 1;195(3):360-368. PMID: 27602993. PMCID: PMC5328182. <https://doi.org/10.1164/rccm.201605-1024OC> †
 33. Banerjee D, Kamuren J, Baird GL, Palmisciano A, Krishnan I, Whittenhall M, Klinger JR, **Ventetuolo CE**. The Modified Borg Dyspnea Scale does not predict hospitalization in pulmonary arterial hypertension. *Pulm Circ*. 2017;7(2):384-390. PMID: 28597751. PMCID: PMC5467923. <https://doi.org/10.1177/2045893217695568>. Epub 2017 Mar 16
 34. Banerjee D, **Ventetuolo CE**. Pulmonary Hypertension in Pregnancy. *Semin Respir Crit Care Med*. 2017 Apr;38(2):148-159. PMID: 28561246. <https://doi.org/10.1055/s-0037-1602242>. Epub 2017 May 22 †
 35. Simmons J, **Ventetuolo CE**. Cardiopulmonary monitoring of shock. *Curr Opin Crit Care*. 2017 Jun;23(3):223-231. PMID: 28398907. PMCID: PMC5678958. <https://doi.org/10.1097/MCC.0000000000000407>
 36. Aliotta JM, Pereira M, Wen S, Dooner MS, Del Tatto M, Papa E, Cheng Y, Goldberg L, **Ventetuolo CE**, Liang O, Klinger JR, Quesenberry PJ. Bone Marrow Endothelial Progenitor Cells

- Are the Cellular Mediators of Pulmonary Hypertension in the Murine Monocrotaline Injury Model. *Stem Cells Transl Med.* 2017 Jul;6(7):1595-1606. PMID: 28474513. PMCID: PMC5689760. <https://doi.org/10.1002/sctm.16-0386>. Epub 2017 May 5
37. Liang OD, So EY, Egan PC, Goldberg LR, Aliotta JM, Wu KQ, Dubielecka PM, **Ventetuolo CE**, Reginato AM, Quesenberry PJ, Klinger JR. Endothelial to haematopoietic transition contributes to pulmonary arterial hypertension. *Cardiovasc Res.* 2017 Nov 1;113(13):1560-1573. PMID: 29016733. PMCID: PMC5852529. <https://doi.org/10.1093/cvr/cvx161>
 38. **Ventetuolo CE**, Hess E, Austin ED, Barón AE, Klinger JR, Lahm T, Maddox TM, Plomondon ME, Thompson L, Zamanian RT, Choudhary G, Maron BA. Sex-based differences in Veterans with pulmonary hypertension: Results from the Veterans Affairs-Clinical Assessment Reporting and Tracking Database. *PLoS One.* 2017;12(11):e0187734. PMID: 29121097. PMCID: PMC5679554. <https://doi.org/10.1371/journal.pone.0187734>. Epub 2017 Nov 9 †
 39. Baird GL, Archer-Chicko C, Barr RG, Bluemke DA, Foderaro AE, Fritz JS, Hill NS, Kawut SM, Klinger JR, Lima JAC, Mullin CJ, Ouyang P, Palevsky HI, Palmisicano AJ, Pinder D, Preston IR, Roberts KE, Smith KA, Walsh T, Whittenhall M, **Ventetuolo CE**. Lower DHEA- S levels predict disease and worse outcomes in post-menopausal women with idiopathic, connective tissue disease- and congenital heart disease-associated pulmonary arterial hypertension. *Eur Respir J.* 2018 Jun 28;51(6). pii: 1800467. †
 40. Banerjee D, Vargas SE, Guthrie KM, Wickham BM, Allahua M, Whittenhall ME, Palmisciano AJ, **Ventetuolo CE**. Sexual health and health-related quality of life among women with pulmonary arterial hypertension. *Pulm Circ.* 2018;8(4):2045894018788277. PMID: 30124126. PMCID: PMC6102766. <https://doi.org/10.1177/2045894018788277> †
 41. Eltorai AEM, Baird GL, Pangborn J, Eltorai AS, Antoci V Jr, Paquette K, Connors K, Barbaria J, Smeals KJ, Riley B, Patel SA, Agarwal S, Healey TT, **Ventetuolo CE**, Sellke FW, Daniels AH. Financial Impact of Incentive Spirometry. *Inquiry.* 2018;55:46958018794993. PMID: 30175643. PMCID: PMC6122234. <https://doi.org/10.1177/0046958018794993>
 42. Eltorai AEM, Szabo AL, Antoci V Jr, **Ventetuolo CE**, Elias JA, Daniels AH, Hess DR. Clinical Effectiveness of Incentive Spirometry for the Prevention of Postoperative Pulmonary Complications. *Respir Care.* 2018 Mar;63(3):347-352. PMID: 29279365. <https://doi.org/10.4187/respcare.05679>. Epub 2017 Dec 26
 43. Abbasi A, Devers C, Muratore CS, Harrington C, **Ventetuolo CE**. Examining the role of extracorporeal membrane oxygenation in patients following suspected or confirmed suicide attempts: A case series. *J Crit Care.* 2018 Apr;44:445-449. PMID: 29203213. PMCID: PMC6404746. <https://doi.org/10.1016/j.jcrc.2017.10.025>. Epub 2017 Oct 18
 44. Eltorai AEM, Baird GL, Eltorai AS, Pangborn J, Antoci V Jr, Cullen HA, Paquette K, Connors K, Barbaria J, Smeals KJ, Agarwal S, Healey TT, **Ventetuolo CE**, Sellke FW, Daniels AH. Perspectives on Incentive Spirometry Utility and Patient Protocols. *Respir Care.* 2018 May;63(5):519-531. PMID: 29362216. <https://doi.org/10.4187/respcare.05872>. Epub 2018 Jan 23
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Thorac Soc. 2025 Feb 18. PMID: 39965160. <https://doi.org/10.1513/AnnalsATS.202312-1083OC>.
Epub 2025 Feb 18

BOOKS AND BOOK CHAPTERS

1. Choudhary G, **Ventetuolo CE**. “Epidemiology of Pulmonary Hypertension: From Quaternary Referral Centre to the Community.” Bradley A. Maron, Roham R. Zamanian, Aaron B. Waxman. Pulmonary Hypertension: Basic Science to Clinical Medicine. Springer International Publishing. 2015.
2. Poor, HD, **Ventetuolo CE**, Bull TM. “Pulmonary Hypertension in Critically Ill Patients”. Diagnosis and Management of Pulmonary Hypertension. James R. Klingler, Robert P. Frantz. Respiratory Medicine. Volume 12 2015
3. **Ventetuolo CE**, Borchardt R, Brodie D. “Extracorporeal Membrane Oxygenation.” Shaun Gregory, Michael Stevens, John Fraser. Mechanical Circulatory and Respiratory Support. Elsevier Publishing. 2017.
4. Abbasi A, **Ventetuolo CE**. “Extracorporeal Life Support in the Adult.” Raja Shahzad. Cardiac Surgery-Complete Guide. Springer Nature Publishing. 2019.
5. Mullin CJ, **Ventetuolo CE**. Critical Care Management of the Patient with Pulmonary Hypertension. Clin Chest Med. 2021 Mar;42(1):155-165. PMID: 33541609. <https://doi.org/10.1016/j.ccm.2020.11.009>

OTHER NON-PEER REVIEWED PUBLICATIONS

1. **Ventetuolo CE**, Horm EM. Pulmonary hypertension in women. COPD Foundation Lung Health Professional Magazine
2. **Ventetuolo CE**. The gender/estrogen paradox and the right ventricle in pulmonary vascular disease. Advances in Pulmonary Hypertension 2011;10:157-8. †

ABSTRACTS

1. Gray MP, **Ventetuolo CE**, Oudiz R, Hill W, Pickles W, Blank K, Williams K, Leary PJ, Kronmal R, Kawut SM. Evaluation of quality of care and quality of life of pulmonary hypertension patients seen in PH Care Centers: Pulmonary Hypertension Association Registry (PHAR) Study Design. Am J Respir Crit Care Med 2020;201:A7369 †
2. Hemnes A, **Ventetuolo CE**, Manaker S, Noone J, R.Howden R, Classi P, Sketch M, Nails A, Nelsen A, Mathai SC, The Economic Burden of Pulmonary Hypertension Among Patients with Chronic Obstructive Pulmonary Disease and Interstitial Lung Disease. Am J Respir Crit Care Med 2020;201:A7035. †
3. Liang O, Pereira M, Jeong EM, So EY, Wu KQ, DelTatto M, Dooner M, **Ventetuolo CE**, Quesenberry P, Klingler JR. Inhibition of RUNX1-Dependent Aberrant Hematopoiesis and Macrophage

- Polarization as a Novel Treatment Modality for Pulmonary Arterial Hypertension. *Am J Respir Crit Care Med* 2020;201:A2673
4. Mullin CS, Lammi MR, Benza RL, Shlobin OA, Burger CD, Elwing JM, Simon M, Mathai SC, **Ventetuolo CE**, Hospitalization in Connective Tissue Disease Associated Pulmonary Arterial Hypertension: The Pulmonary Hypertension Association Registry. *Am J Respir Crit Care Med* 2020;201:A3788.
 5. Vazquez Z, Abbasi A, Sodha N, Devers C, **Ventetuolo CE**. Prevalence of Deep Vein Thrombosis in Extracorporeal Life Support: A Single-Center Retrospective Review. *Am J Respir Crit Care Med* 2020;201:A1602.
 6. Vazquez Z, Cagle G, Chu D, Gordon P, Haines P, Mullin CS, Klinger JR, Karo R, Palmisciano A, **Ventetuolo CE**. The Effects of Left Atrial Appendage Closure on Natriuretic Peptide Levels and Cardiac Filling Pressures. *Am J Respir Crit Care Med* 2020;201:A2049.
 7. Singh N, Eickhoff C, Pereira M, Liu N, Webster C, Dichter A, Eng E, Mai M, Freeman M, Whittenhall ME, Monaghan SF, Mullin CJ, Klinger JR, Harrington EO, **Ventetuolo CE**. RNA-sequencing of human pulmonary artery endothelial cells predicts diagnosis of pulmonary hypertension and provides insight into disease course. *Am J Respir Crit Care Med*; 2021;203: A3620.
 8. Cox-Flaherty K, Baird G, DiGregorio R, Klinger JR, Mullin CJ, Pereira M, Schmitz N, Singh N, Whittenhall ME, Harrington EO, **Ventetuolo CE**. Human pulmonary artery endothelial cell culture success rates from routine right heart catheterizations. *Am J Respir Crit Care Med* 2022; 205: A4450.
 9. Cox-Flaherty K, Braza J, Princiotta A, **Ventetuolo CE**, Harrington EO. Commercial human pulmonary artery endothelial cells have in vitro behavior which varies by sex. *Am J Respir Crit Care Med* 2022; 205: A3639. †
 10. Cox-Flaherty K, Moutchia J, Krowka MJ, Al-Naamani N, Kawut SM, **Ventetuolo CE**. Six-minute walk distance predicts outcomes in a cohort of liver transplant candidates. *Am J Respir Crit Care Med*. 2022;205: A5640.
 11. Liang O, Jeong EM, Pereira M, So EY, DelTatto M, Wen S, Dooner M, **Ventetuolo CE**, Quesenberry PJ, Zhao L, Wilkins MR, Klinger JR. RUNX1 is required for the development of pulmonary arterial hypertension. *Am J Respir Crit Care Med* 2022; 205: A4809.
 12. Minhas J, Baird G, Appleby D, McClelland R, Min J, Mazurek JA, **Ventetuolo CE**, Al-Naamani N, Kawut SM. Terminal digit preference in endpoints of pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension. *Am J Respir Crit Care Med* 2022; 205: A3047.
 13. Paudel SS, Singh N, Cox K, Pereira M, Tambe DT, Harrington EO, Stevens T, **Ventetuolo CE**. Human pulmonary artery endothelial cells isolated from patients with pulmonary hypertension exhibit anoikis resistance. *Am J Respir Crit Care Med* 2022; 205: A4446.
 14. Batson M, Minhas J, Shlobin OA, **Ventetuolo CE**, Badesch DB, Lammi ML, Zamanian RT, Al-Naamani N, Kawut SM. Physical Activity Characteristics in Pulmonary Arterial Hypertension (PAH): The Pulmonary Hypertension Association Registry (PHAR). *Am J Respir Crit Care Med* 2023;207:A3748

15. Harhay MO, **Ventetuolo CE**, Appleby D, Urbanowicz R, Fritz J, Mazurek J, Moutchia J, Kawut SM, B. Blette. Multivariable Risk Scores as Surrogate Outcomes in Randomized Trials in Pulmonary Arterial Hypertension. *Am J Respir Crit Care Med* 2023;207:A4229
16. Moutchia J, McClelland ML, Al-Naamani N, Appleby DH, Holmes JH, Minhas J, Mazurek J, Palevsky HI, **Ventetuolo CE**, Kawut CE. Comparative Effective Analysis of Treatment for Pulmonary Arterial Hypertension: An Individual Participant Data Network Meta-analysis. *Am J Respir Crit Care Med* 2023;207:A1189
17. Paudel SS, Deweever A, Singh N, CoxFlaherty KE, Pereira M, Tambe DT, Stevens T, Harrington EO, **Ventetuolo CE**. Human Pulmonary Artery Endothelial Cells Isolated From Patients With Pulmonary Hypertension Exhibit Heterogeneous Sensitivity to Mechanical Sensing. *Am J Respir Crit Care Med* 2023;207:A6132
18. Robbins EW, Bradley KV, Baird GL, Badesch DB, Burger CD, Chybowski AM, De Marco T, Hemnes A, Lammi MR, Mathai SC, Mcconnell JW, Melendres-Groves L, Raza F, Runo JR, Sager JS, Shlobin OA, Thenappan T, Zamanian RT, **Ventetuolo CE**. Medication Non-adherence and Health-related Outcomes in Patients With Pulmonary Arterial Hypertension: The Pulmonary Hypertension Association Registry (PHAR). *Am J Respir Crit Care Med* 2023;207:A1186 †
19. Sears I, Levy MM, **Ventetuolo CE**, Eickhoff C, Abbasi A, Sears I, Levy MM, **Ventetuolo CE**. Time-series Machine Learning Approach to Sepsis Prediction in the Intensive Care Unit. *Am J Respir Crit Care Med* 2023;207:A6377
20. Lyon Z, Kolaitis NA, **Ventetuolo CE**, Mathai SC, Burger CD, Kawut SM, Shlobin OA, De Marco T, Mullin CJ. Demographic, Hemodynamic, Health-related Quality of Life, and Longitudinal Outcomes Differences Between Connective Tissue Disease-associated and Idiopathic PAH (Pulmonary Arterial Hypertension): The Pulmonary Hypertension Association Registry. *Am J Respir Crit Care Med* 2024;209:A2753.
21. Millio G, **Ventetuolo CE**, Cox-Flaherty KE, Mullin CJ, Klinger JR, Singh J, Kamel A. Sex-Based Differences in Acute Pulmonary Embolism Severity. *Am J Respir Crit Care Me* 2024; 209:A3995 †
22. Robbins EW, Bradley KV, Baird GL, Badesch DB, Burger CD, Chybowski AM, De Marco T, Hemnes A, Lammi MR, Mathai SC, Mcconnell JW, Melendres-Groves L, Raza F, Runo JR, Sager JS, Shlobin OA, Thenappan T, Zamanian RT, **Ventetuolo CE**. Medication Non-adherence and Health-related Outcomes in Patients With Pulmonary Arterial Hypertension: The Pulmonary Hypertension Association Registry (PHAR). *Am J Respir Crit Care Med* 2023;207:A1186 †
23. Singh N, Millio G, Lawson J, Ragavendran A, Whittenhall ME, Mullin CJ, Klinger JR, Harrington EO, **Ventetuolo CE**. MELD-Na Can Predict the Severity of Pulmonary Arterial Hypertension. *Am J Respir Crit Care Med* 2024;209:A6094.
24. Wathieu H, Cox-Flaherty K, Wang RS, Singh N, Baird GL, Sanders R, Pereira M, Mullin CJ, Klinger JR, Ragavendron J, Harrington EO, Maron BA, and **Ventetuolo CE**. Individualized Interactomes Derived from Pulmonary Endothelial Transcriptomics Collected at Point-of-Care Personalize Therapeutic Repositioning in Pulmonary Arterial Hypertension. *Am J Respir Crit Care Med* 2024;209:A2749.

† *Diversity, Equity, and Inclusion (DEI) activity*

INVITED PRESENTATIONSRegional

1. ECMO in adults with respiratory failure., Rhode Island Society for Respiratory Care 2012 Conference. Providence, RI, USA., 3/2012
2. ECLS: A bridge to recovery., Grand Rounds, Department of Medicine Grand Rounds, Alpert Medical School of Brown University. Providence, RI, USA., 9/2012
3. Speaker/Research Presentation, American Heart Association Rhode Island Research Symposium. Providence, RI, USA., 3/2013
4. Speaker, Contemporary Approach to the Diagnosis and Treatment of Pulmonary Vascular Disease., Department of Medicine Grand Rounds, Sturdy Memorial Hospital. Attleboro, MA, USA., 6/2013
5. Speaker, Pulmonary Hypertension 2013., 3rd Annual Dr. Meyer Saklad Memorial Respiratory Care Symposium. Providence, RI, USA., 6/2013
6. Speaker, Pulmonary Hypertension and Right Ventricular Failure: What a Surgeon Should Know., Grand Rounds, Department of Surgery Grand Rounds, Rhode Island Hospital. Providence, RI, USA., 11/2013
7. Lecture Series, Brown Pulmonary Research Seminar, Research Methodology Series, Providence, RI, USA., 2/2014-3/2014
8. Speaker, Adult ECMO in Early ARDS., Rhode Island Society for Respiratory Care Conference. Newport, RI, USA., 3/2014
9. Speaker, Strategies for Managing Pulmonary Hypertension, and the Right Ventricle in ECLS Patients., SEECMO 2014. Providence RI, USA., 4/2014
10. Moderator, Exercise-Induced Pulmonary Arterial Hypertension (PAH)., Tufts University School of Medicine 12th Annual Update in Pulmonary Hypertension. Cambridge, MA, USA., 12/2014
11. Invited Speaker, ECLS for the Critically Ill Adult., Grand Rounds, Kent Hospital Grand Rounds, Warwick, RI, USA., 1/2015
12. Overview of PH: Epidemiology and Pathophysiology., PHA Preceptorship Program, Providence, RI, USA., 9/2015
13. Speaker, "Initiating PAH Therapy", 14th Annual Update in Pulmonary Hypertension, Tufts School of Medicine, Boston, MA, USA., 12/2016
14. Grace McLeod Rego Medicine Grand Rounds, Grand Rounds, Department of Medicine, Brown; What My Patients Have Taught Me: Lessons Learned from a Rare Disease and the Patient-Doctor Relationship, Providence, RI, USA., 6/2017
15. Co-chair and speaker, PHA On the Road, Providence, RI, USA., 8/2017
16. Speaker, "Great Cases: WHO Group 3 and 5 PH", 15th Annual Update in Pulmonary Hypertension. Tufts School of Medicine, Boston, MA, USA., 12/2017

17. Speaker, “Dialysis for the Lungs”, 8th Annual Dr. Meyer Saklad Memorial Respiratory Care Symposium. Rhode Island Hospital, Providence, RI, USA., 6/2018
18. Discussant, “Treatment Challenges in PH Associated with Advanced Lung Disorders”, 16th Annual Update in Pulmonary Hypertension. Tufts School of Medicine, Boston, MA, USA., 12/2018
19. Discussant, “Treatment Algorithm for Group 1 PH”, 17th Annual Update in Pulmonary Hypertension. Tufts School of Medicine, Boston, MA, USA., 12/2020
20. Speaker, “Sexual Dimorphism and Endotypes in Pulmonary Vascular Disease”, BIRD’s Conference, Alpert Medical School of Brown University, Providence, RI., 2/2021 †
21. Speaker, Advance-K Scholars, “Human Subjects”, Alpert Medical School of Brown University, Providence, RI., 5/2021 †
22. Discussant, “Clinical Research Progress and Pipeline”, 18th Annual Update in Pulmonary Hypertension. Tufts School of Medicine, Boston, MA, USA., 12/2021 †
23. Speaker, M-BRISC Virtual Seminar Series, 1/2022 †
24. Speaker, Advance-K, 4/2022
25. Speaker, “Pulmonary Hypertension” Fellows Didactic, Alpert Medical School of Brown University, Providence, RI., 4/2022
26. Speaker, “Career Pathways as a Physician Scientist”, T35 Basic Translational Research Program. Alpert Medical School of Brown University, Providence, RI., 7/2022 †
27. Current Clinical Trial Landscape for PH and PVD in North America, Invited Lecture, American Thoracic Society International Conference, San Diego, CA, 5/2024 †
28. Moderator, Whale Watching: A “Rapid” Tour of PAH Pathogenesis, American Thoracic Society International Conference, San Diego, CA, 5/2024
29. Navigating Sinkholes While Shattering Glass Ceilings: Getting to Promotion”, Women in Medicine: Empowering and Developing the Next Generation of Women Leaders in Medicine, Invited Lecture, American Thoracic Society International Conference, San Diego, CA, 5/2024 †
30. Extracorporeal Life Support for the Critically Ill Adult, Grand Rounds, Norwalk Hospital, Norwalk, CT, 5/2024

National

1. ECMO in the Critically Ill Adult, Pulmonary, Allergy and Critical Care Grand Rounds, Grand Rounds, Hospital of the University of Pennsylvania. Philadelphia, PA, USA., 9/2013
2. Speaker, Management of Acute Right Heart Failure in the ICU, 2014 Advances in Pulmonary and Critical Care Conference. Fairfax, VA, USA., 3/2014
3. Speaker, Making it Real: Endpoints and Outcomes in Pulmonary Hypertension, Alfred P. Fishman Symposium: New Treatment Approaches to Pulmonary Hypertension, Philadelphia PA, USA., 4/2014

4. Invited Speaker, Extracorporeal Life Support for Patients with PH, Pulmonary Hypertension Clinical Conference, Vera Moulton Wall Center for Pulmonary Vascular Disease, Stanford University, Palo Alto, CA, USA., 12/2014
5. Visiting Professor, Sex Hormones, Pulmonary Hypertension and the Right Ventricle: Sorting through the Estrogen Paradox, Division of Pulmonary and Critical Care Medicine, Stanford University, Palo Alto, CA, USA., 12/2014 †
6. Visiting Professor; “Extracorporeal Life Support in Critically Ill Adults” and Pulmonary Research Conference “Sex, Sex Hormones, and the Right Ventricle, Toward Understanding the Estrogen Paradox of Pulmonary Arterial Hypertension”, Yale University, New Haven, CT, USA., 1/2015 †
7. Invited Speaker, Pulmonary Hypertension, and the Right Ventricle: Sorting through the Estrogen Paradox., Pulmonary Vascular Disease Conference of Brigham and Women’s Hospital Sex Hormones. Boston, MA, USA., 2/2015 †
8. Guest Lecturer, Sex, Sex Hormones, and the Right Ventricle: Toward Understanding the Estrogen Paradox of Pulmonary Arterial Hypertension;; Grand Rounds, Pulmonary, Critical Care, and Sleep Medicine Grand Rounds, New York University Langone Medical Center, New York, NY, USA., 9/2015 †
9. Visiting Professor; Sex, Sex Hormones, and the Right Ventricle: Toward Understanding the Estrogen Paradox of Pulmonary Arterial Hypertension, Indiana University, Pulmonary Research Conference; Indianapolis, IN, USA., 11/2015 †
10. Guest speaker, Grand Rounds, Icahn School of Medicine at Mount Sinai Respiratory Institute Grand Rounds, New York, NY, USA., 3/2016
11. Speaker, “Indications for VA and VV ECMO: Overview and Current Evidence”, Penn Medicine Adult ECMO Symposium, Philadelphia, PA, USA., 3/2017
12. Speaker, “Indications for VA and VV ECMO: Overview and Current Evidence”, Penn Medicine Adult ECMO Symposium, Philadelphia, PA, USA., 5/2018
13. Invited Speaker, NHLBI Sex/Gender-related Autoimmune Induced Lung Diseases Workshop, (postponed due to COVID-19), 3/2020 †
14. Pregnancy and Maternal Conditions that Increase Risk of Morbidity and Mortality Working Group, NHLBI/NICHD/ORWH, 5/2020 †
15. Speaker, “Sexual Dimorphism and Endotypes in Pulmonary Vascular Disease”, Brown Institute for Respiratory Disease, 2/2021 †
16. Speaker, “Management of RV Failure in Critically Ill Adults”, Grand Rounds, Houston Methodist, Division of Pulmonary, Critical Care & Sleep Medicine Grand Rounds., 3/2021
17. Speaker, “Emerging Treatment Paradigms in Pulmonary Arterial Hypertension”, Grand Rounds, CHEST Conference (Pulmonary Grand Rounds) Warren Alpert Medical School of Brown University, Providence, RI, 11/2021
18. Speaker, “Extracorporeal Life Support for Critically Ill Adults”, Milford Regional Medical Center Milford, MA, 7/2022

19. Panelist, “Clinical Research Progress and Pipeline”, Tufts University 19th Annual Update in Pulmonary Hypertension, 12/2022
20. Speaker, “Translating Epidemiology to Therapeutics in Pulmonary Vascular Disease”, Pulmonary Research Conference, Boston Children’s Hospital, Harvard University, Boston, MA, 2/2023 †
21. Speaker, “Translating Epidemiology to Therapeutics in Pulmonary Vascular Disease”, Pulmonary Research Conference, Boston Children’s Hospital, Harvard University, Boston, MA, 2/2023 †
22. Speaker, Medical Grand Rounds, “No Longer a Rare Disease? Pulmonary Hypertension in 2023: Changing Thresholds, Targets and Treatments”, University of South Alabama, Mobile, AL, 3/2023
23. Speaker, “Translating Epidemiology to Therapeutics in Pulmonary Vascular Disease”, Center for Lung Biology, University of South Alabama, Mobile, AL, 3/2023 †
24. Member, Think-Tank to Address the Pediatric Medical Device Crisis in the United States, FDA-UCSF-Stanford Centers of Excellence in Regulatory Science and Innovation, Silver Springs, Maryland, 5/2023
25. Speaker, Pulmonary and Critical Care Medicine, “Translating Epidemiology to Therapeutics in Pulmonary Vascular Disease”, Massachusetts General Hospital, Harvard University, Boston, MA, 12/2023 †

International

1. Chairman, Poster Discussion Session, Acute pulmonary embolism: diagnosis, risk stratification and treatment., American Thoracic Society 2011 International Conference. Denver, CO, USA., 5/2011
2. Sunrise Seminar, Evaluating the patient referred for pulmonary hypertension., American Thoracic Society 2011 International Conference. Denver, CO, USA., 5/2011
3. Speaker, Post Graduate Course 4400, Update in Pulmonary Arterial Hypertension: What’s New, What’s Now., American Thoracic Society 2012 International Conference. San Francisco, CA, USA., 5/2012
4. Panelist, Early PAH – Recognition, Diagnosis, Treatment and Outcomes., 2012 Pulmonary Hypertension Association’s 10th International PH Conference and Scientific Sessions. Orlando, FL, USA., 6/2012
5. Co-Chair, Scientific Symposium B6: Influence of Estrogens on the Pulmonary Circulation and Right Ventricle: From Bench to Bedside., American Thoracic Society 2013 International Conference. Philadelphia, PA, USA., 5/2013 †
6. Facilitator, Thematic Poster Session C65: Assessment of Pulmonary Hypertension., American Thoracic Society 2013 International Conference. Philadelphia, PA, USA., 5/2013
7. Speaker, Mini- Symposium B98: Clinical Trials in Pulmonary Hypertension: Are Hemodynamics Surrogate Endpoints in Pulmonary Arterial Hypertension., American Thoracic Society 2013 International Conference. Philadelphia, PA, USA., 5/2013

8. Speaker, Scientific Symposium B6: Influence of Estrogens on the Pulmonary Circulation and Right Ventricle: From Bench to Bedside. Sex, Sex Hormones, and the RV Phenotype: Humans., American Thoracic Society 2013 International Conference. Philadelphia, PA, USA., 5/2013 †
9. Sunrise Seminar, SS314: Managing the Right Ventricle in Critical Illness., American Thoracic Society 2013 International Conference. Philadelphia, PA, USA., 5/2013
10. Speaker, Targeting the Right Ventricle in Pulmonary Vascular Disease., CHEST 2013 Conference. Chicago, IL, USA., 10/2013
11. Right Ventricular Failure in the ICU, 26 Congresso Nazionale della Società Italiana di Terapia Intensiva. Florence, Italy., 11/2013
12. Thromboembolism Prophylaxis: How to Stratify the risk in Pulmonary Embolism?, 26 Congresso Nazionale della Società Italiana di Terapia Intensiva. Florence, Italy., 11/2013
13. Thromboembolism Prophylaxis: Which Drugs and Which Patients?, 26 Congresso Nazionale della Società Italiana di Terapia Intensiva. Florence, Italy., 11/2013
14. Moderator, Poster Session 3: Pulmonary hypertension, International Society for Heart and Lung Transplantation 34th Annual Meeting and Scientific Sessions, San Diego, CA, USA., 4/2014
15. Session Co-Chair, Left Heart Failure, the RV, and Other Types of Pulmonary Hypertension, International Society for Heart and Lung Transplantation 34th Annual Meeting and Scientific Sessions, San Diego, CA, USA., 4/2014
16. Speaker, The Effects of Prostaglandin Therapy in PAH: The Seen and Unseen Risk/Benefit Profile, International Society for Heart and Lung Transplantation 34th Annual Meeting and Scientific Sessions, San Diego, CA, USA., 4/2014
17. Lead Facilitator, Thematic Poster Session: Clinical Evaluation and Biomarkers of PH, American Thoracic Society 2014 International Conference, San Diego, CA, USA., 5/2014
18. Panelist, PHA International PH Conference and Medically Led Sessions, PH and Lung Disease, Sleep Apnea, and Oxygen Supplementation, Indianapolis, IN, USA., 6/2014
19. Clinical Year in Review on Pulmonary Hypertension, American Thoracic Society International Conference 2015 International Conference, Denver, CO, USA., 5/2015
20. Oral Abstract, Genetic Variation in Sex Hormone Pathways and Right Ventricular Structure and Function: The MESA-RV Study., American Thoracic Society International Conference 2015 International Conference, Denver, CO, USA., 5/2015 †
21. Speaker, ECMO: Pros and Cons, Congresso Nazionale della Società Italiana di Terapia Intensiva, Florence, Italy., 12/2015
22. Session Co-Chair and Speaker, Critical Care of the Patient with Pulmonary Vascular Disease Postgraduate Course, 2016 American Thoracic Society International Conference, “ECMO as a Bridge or Salvage in PH”, San Francisco, CA, USA., 5/2016
23. Session Co-Chair and Speaker, It Takes Two to Tango: Right and Left Ventricle Interactions in Pulmonary Vascular Disease Scientific Symposium, “Left, Right, or Both? Is there a Role for Beta

- Blockers, ACE Inhibitors, or Neurohormonal Modulators in RV Failure?”, 2016 American Thoracic Society International Conference, San Francisco, CA, USA., 5/2016
24. Session Moderator, Hooked on PH’Omics Scientific Symposium, 2016 American Thoracic Society International Conference, San Francisco, CA, USA., 5/2016
 25. Session Co-Chair and Speaker, Update in Extracorporeal Life Support, “Current Strategies for Lung Failure”, CHEST 2016, Los Angeles, CA, USA., 10/2016
 26. Invited speaker, “Oestrogen Metabolism and Right Ventricular Function”, Pulmonary Vascular Research Institute Annual World Congress, Miami, FL, USA., 1/2017 †
 27. Session Co-Chair, “ECMO in Precapillary PH: What is the Best Option for My Patient”, International Society for Heart and Lung Transplantation, San Diego, CA, USA., 4/2017
 28. Session Co-Chair, “Critical Care of the Patient with Pulmonary Vascular Disease”, Postgraduate Course, 2017 American Thoracic Society International Conference, Washington, DC, USA., 5/2017
 29. Session Co-Chair, “Precision Medicine in Pulmonary Vascular Diseases: Are We Ready for the Future?”, Scientific Symposium, 2017 American Thoracic Society International Conference, Washington, DC, USA., 5/2017
 30. Session Co-Chair, “Sex, Sugar, Salt, and Stress: Neurohormonal Signaling as a Novel Therapeutic Target in Right Ventricular Failure”, Scientific Symposium, 2017 American Thoracic Society International Conference, Washington, DC, USA., 5/2017 †
 31. Invited participant and speaker; Sex Differences in RV Function in Patients with Pulmonary Vascular Disease; NHLBI Right Heart Failure Workshop, Bethesda, MD, USA., 9/2017 †
 32. Invited Speaker, “The Benefits of Inhaled and Infused Therapies”; PHA’s 2018 International Conference and Scientific Sessions, Orlando, FL, USA., 6/2018
 33. Moderator, “Basic Science and Clinical Trials: Accelerating the Future”; PHA’s 2018 International Conference and Scientific Sessions, Orlando, FL, USA., 6/2018
 34. Panelist, Diagnosing PH: Steps to an Accurate Diagnosis”; PHA’s 2018 International Conference and Scientific Sessions, Orlando, FL, USA., 6/2018
 35. Panelist, “Extracorporeal Life Support in 2018”; International Forum of Hot-Spots and New Technologies in Critical Illness, Shenzhen, China., 8/2018
 36. Invited Presenter, “Inotropic Management of Right Ventricular Failure: Evidence Based Medicine?”; American Heart Association’s 2018 Scientific Sessions, Chicago, IL, USA., 9/2018
 37. Invited Presenter, “Race and Sex: Differences in Response to Pharmacologic Agents in PAH”; American Heart Association’s 2018 Scientific Sessions, Chicago, IL, USA., 9/2018 †
 38. Speaker, “Future Directions and Emerging Therapies in PH”, Pulmonary Hypertension Association’s PH Professional Network Symposium, 2019

39. Chair, Mini symposium, “What’s New in Clinical and Translational Research in Pulmonary Hypertension: Lessons from the Best Abstracts”, American Thoracic Society 2020 International Conference, Virtual, 2020
40. Speaker, “How Do I Treat This Patient with Group 3 PH”, American Heart Association Scientific Sessions, 2020
41. Panelist, Pulmonary Circulation Journal Club, American Thoracic Society, 12/2020
42. Co-Chair, “Clinical Controversies in Pulmonary Hypertension: A Pro/Con Debate”, American Thoracic Society 2021 International Conference, Virtual, 2021
43. Moderator, “WHO Group 3 Pulmonary Hypertension: To Treat or Not to Treat”, American Thoracic Society 2021 International Conference, Virtual, 2021
44. Speaker, “The Pathophysiology of Right Heart Failure in COVID-19”, American College of Cardiology Annual Scientific Sessions of the College, 5/2021
45. Poster Professor, “Recent Advances and Novel Paradigms for the Management of Pulmonary Hypertension”, American Heart Association Scientific Sessions 2022, Chicago, IL, 2022
46. Moderator, “What Would you do? Managing Special Populations with Pulmonary Hypertension”, American College of Cardiology, Washington, DC, USA, 4/2022
47. Speaker “Oh Baby! Management of PAH During Pregnancy”, American College of Cardiology, Washington, DC, USA, 4/2022 †
48. Speaker, “Isolating Human Endothelium in Vascular Disease”, American Thoracic Society Lung Endothelium in Health and Disease Workshop. Virtual, 4/2022
49. Moderator, “Lost in Translation? Preclinical To Clinical Studies in Pulmonary Hypertension”, ATS 2022 International Conference, San Francisco, CA, 5/2022
50. Speaker, “What We Have Learned Since PHA 2018: Update on Clinical Trials”, PHA 2022 Scientific Session, Atlanta, GA, 6/2022 †
51. Moderator/Judge, Cournand and Comroe Early Career Investigator Award Competition, American Heart Association Scientific Sessions 2022, Chicago, IL, 9/2022
52. Speaker, “Impact of ECCO2R on Pulmonary Hypertension and the Right Ventricle”, 33rd Annual ELSO Conference, Boston, MA, 9/2022
53. Speaker, “Role of ECMO in Management of End-Stage PAH”, Surgical Management of End-Stage PAH, American Heart Association Scientific Sessions 2022, Chicago, IL, 9/2022
54. Speaker, “RV Dysfunction, It’s Not About the Sex Hormones”, American Heart Association Scientific Sessions 2022, Chicago, IL, 9/2022 †
55. Moderator, “A Measured Response: Assessing Treatment Outcomes in Pulmonary Hypertension”, American Thoracic Society 2023 International Conference, Washington, DC, 5/2023
56. Moderator, “Risky Business: Treatments and Clinical Targets in Pulmonary Hypertension”, American Thoracic Society 2023 International Conference, Washington, DC, 5/2023

57. Speaker and Moderator, “Pulmonary Hypertension in ECMO: Medical Management & Mechanical Solutions”, ELSO Conference, Seattle, WA, 9/2023
58. Moderator, “Clearing the Fog in Pulmonary Vascular Disease: The Role of Advanced Imaging and Sensors”, American Heart Association Scientific Sessions, Philadelphia, PA, 11/2023
59. Speaker, “Mechanical Circulatory Support of the Failing Right Ventricle”., 15th Annual NC Research Triangle Pulmonary Hypertension Symposium, Durham, North Carolina, 11/2023
60. Speaker, “Pro-Con Debates on the Pathogenesis in Management of Pulmonary Hypertension”., American Heart Association Scientific Sessions, Philadelphia, PA, 11/2023
61. Speaker, “The Change in PH Definition is Confusing Clinical Practice”, American Heart Association Scientific Sessions, Philadelphia, PA, 11/2023
62. Speaker, “Liquid biopsies” During the Course of Pulmonary Vascular Disease, Pulmonary Vascular Institute (PVRI), London, England, 2/2024
63. Prevalence and Effects of Myelofibrosis on Pulmonary Hypertension, Symposium, Pulmonary Vascular Research Institute, 7/2024
64. Group 3 Pulmonary Hypertension Clinical Trials. Intersections with Respiratory Diseases. A Critical Analysis of PDE5i for ILD-PH., Invited Lecture, Global Cardiovascular Clinical Trial (CVCT) Forum, 12/2024-12/2024
65. Pulmonary Arterial Hypertension Trials: Shall We Start Thinking Outside the Box. Investigator's Viewpoint., Invited Lecture, Global Cardiovascular Clinical Trial (CVCT) Forum, 12/2024-12/2024

† *Diversity, Equity, and Inclusion (DEI) activity*

GRANTS:

1. R25 HL088992-05 2011-2013
PAST
Short-term Training Program to Increase Diversity in Health-Related Research. †
Role: Trainer (PI: Harrington)
2. K24HL103844 5/2011-4/2016
PAST
Aromatase Inhibitors in Pulmonary Vascular Complications of Liver Disease. †
Role: Co-Investigator (PI: Kawut)
3. 11FTF7400032 7/2011-6/2017
PAST
American Heart Association, Fellow-to- Faculty Transition Award
Estrogen Metabolism and Right Ventricular Structure and Function: The MESA-RV Study. †
Role: PI

4. WS1952812 11/2011-11/2012
PAST
ASPIRE Pulmonary Vascular Disease Young Investigator Research Award
Sex Hormones and Genetic Determinants of Right Ventricular Structure and Function: The MESA- RV Study. †
Role: PI
5. T35 HL094308-03 4/2012-7/2014
PAST
Alpert Medical School Summer Research Program (AMSSRP)
Examining hepatitis C and hepatitis C/HIV co-infection as risk factors for pulmonary hypertension. †
Role: Mentor (PI: Harrington)
6. CF- 2012-009 10/2012-10/2013
PAST
The CHEST Foundation Clinical Research, Award in Pulmonary Arterial Hypertension
The Menstrual Cycle, Angiogenesis, and Right Ventricular Function in Pulmonary Arterial Hypertension. †
Role: PI
7. 11/2012-11/2013
PAST
The Opus Fund for the Cure of Pulmonary Hypertension
Hemodynamic Phenotyping and Biomarkers in Pulmonary Hypertension Associated with Heart Failure with Preserved Ejection Fraction.
Role: Principal Investigator, Mentor
8. P20 GM103652-01A1 9/2013-5/2018
PAST
NGIMS
COBRE for Cardiopulmonary Vascular Biology. Sex Hormones, Pulmonary Vascular and Right Ventricular Dysfunction. †
Role: Project PI (PI: Rounds)
9. 7/2015-7/2016
PAST
The CHEST Foundation Clinical Research, Award in Pulmonary Arterial Hypertension
Sudden Cardiac Death in Pulmonary Arterial Hypertension: The Role of the Sodium Channel.
Role: Mentor (PI: Banerjee)
10. R01 HL134905 1/2017-12/2021
(NCE) PAST
Anastrozole in Pulmonary Arterial Hypertension Multi-center Phase II randomized double-blind placebo controlled clinical trial of anastrozole in PAH †
Role: Study Co-Chair, Site Principal Investigator (Co-PI: Kawut)

11. T32HL134625 2/2017-2/2027
ACTIVE
NHLBI
Brown Respiratory Research Training Program
Role: Mentor (PI: Harrington, Levy, Rounds)
12. 5T35HL094308-12 2018
PAST
NHLBI
Alpert Medical School Summer Research Program †
Role: Mentor (PI: Harrington)
13. R01HL141268 5/2018-4/2025
PAST
NHLBI
Dehydroepiandrosterone in Pulmonary Hypertension †
Role: PI
14. 18TPA34110329 7/2018-6/2021
PAST
AHA
The Role of Endothelial to Hematopoietic Transformation in the Pathogenesis of Pulmonary Hypertension
Role: Co-Investigator (PI: Liang)
15. 9/2018-9/2020
PAST
United Therapeutics Jenesis Innovative Outcomes Research Award
Health-Related Quality of Life: Patient-Focused Strategies for Measuring and Improving Sexual Health and Functioning among Patients with PAH †
Role: Mentor (PI: Vargas)
16. U54GM115677 5/2020-5/2021
PAST
Advance CTR
Predicting Hemorrhage and Thrombosis in Extracorporeal Life Support
Role: Mentor (PI: Rounds)
17. 5T35HL094308-12 2021
PAST
NHLBI
Alpert Medical School Summer Research Program †
Role: Mentor (PI: Harrington)
18. 1/2021-6/2022
PAST

Seed Award, Brown University
Pulmonary Artery Endothelial Cell Phenotypes During Pulmonary Hypertension
Role: MPI (PI: Ventetuolo, Harrington)

19. R01-HL159887 7/2021-6/2026
ACTIVE
NHLBI
Case-Control Study of Methamphetamine in Pulmonary Arterial Hypertension †
Role: Consultant (PI: Kawut, Zamanian)
20. 9/2021-9/2023
PAST
ENTELLIGENCE Young Investigator Program
Biological Sex and Sex-Hormones Moderate RV Dysfunction and Recovery in CTEPH †
Role: Co-Mentor (PI: Cirulis)
21. 10/2021-10/2022
PAST
CHEST Foundation
Mitochondrial Dysfunction and Oxidative Stress in Pulmonary Arterial Hypertension
Role: Mentor (PI: Singh)
22. P20GM103652 6/2022-5/2024
ACTIVE
Predicting Outcomes in Patients Treated with Extracorporeal Membrane Oxygenation: Applying
Machine Learning to Electronic Health Record Data
Role: Mentor (PI: Abbasi)
23. 7/2022-6/2025
ACTIVE
Parker B. Francis Fellowship
Hemorrhage and Thrombosis in Extracorporeal Life Support
Role: Mentor (PI: Abbasi)
24. 1/2023-1/2025
PAST
Patterson Trust Mentored Research Award
Dehydroepiandrosterone, Sexual Dimorphism and Endothelial Cell Phenotypes in Pulmonary Arterial
Hypertension †
Role: Mentor (PI: Cox-Flaherty)
25. 24IPA1275127 7/2024-6/2026
ACTIVE
American Heart Association
Retinal Vascular Imaging as a Window into Pulmonary Vascular Remodeling in Pulmonary Arterial

Hypertension
 Role: PI (PI: Ventetuolo)

26. R01HL173533 7/2024-6/2029
 ACTIVE

Sarcopenia in Pulmonary Arterial Hyertension
 Role: Site PI (PI: Al-Naamani)

27. 10/2024
 ACTIVE

U54 GM114677 Women's Health Supplement
 Epicardial Adipose and Cardiometabolic Phenotypes in Women with PAH †
 Role: Project PI (PI: Rounds)

28. R01HL163986-A1 3/2025-12/2029
 ACTIVE

NHLBI
 Pulmonary Artery Endotypes and the Role of Anoikis Resistance in Pulmonary Hypertension
 Role: PI

29. R01 000000-00 4/2025-3/2030
 PENDING

NHLBI
 Cytoreduction of Neurotoxic Proteins During Extracorporeal Life Support
 Role: PI
 † *Diversity, Equity, and Inclusion (DEI) activity*

UNIVERSITY TEACHING ROLES

7/2010-6/2011 Lecturer, Columbia University, College of Physicians and Surgeons
 - Lectures on pulmonary vascular disease to fellows and Internal Medicine house staff
 - Morning report for Internal Medicine house staff Medical Intensive Care Unit lecture series

7/2011- Speaker and Panelist, Alpert Medical School of Brown University
 - Department of Medicine Grand Rounds speaker (9/12, 6/17)
 - Department of Medicine Grand Rounds panelist, recurring
 - Brown Chest Conference, Update on Lung Transplantation, annually
 - Lectures on ECMO and lung transplantation to Pulmonary/Critical Care fellows, annually
 - Lectures on pulmonary vascular disease to Pulmonary/Critical Care, Cardiology fellows and Internal Medicine house staff, annually

7/2011- Teaching Attending, Rhode Island Hospital
 - Medical Intensive Care Unit teaching rounds for fellows and house staff

- 9/2011- Trainer, Alpert Medical School of Brown University
- Short-term Training Program to Increase Diversity in Health-Related Research (PI: Rounds/Smith, R25 HL088992-05)
- 1/2012- Mentor, Alpert Medical School of Brown University Alpert Medical School
Summer Research Program
(PI: Gruppuso, T35 HL094308-03)
- 1/2013- Lecturer, Alpert Medical School of Brown University Research Methodology
Series, Pulmonary/Critical Care Fellowship Program
- 4/2014- Local Director, Alpert Medical School of Brown University Community Based
Teaching Program

HOSPITAL TEACHING ROLES

- 7/2011- Lecturer/Trainer, Lifespan
Adult ECLS training for MICU nurses and respiratory therapists, including bi-weekly 1 hour lecture series