

CURRICULUM VITAE
COREY E. VENTETUOLO, MD, MS

Associate Chief and Director of Academic Affairs,
Division of Pulmonary, Critical Care and Sleep Medicine, Brown University
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Pronouns: She/her/hers

EDUCATION

5/99	B.A. Magna cum laude Distinction in Major	Major: Biological Basis of Behavior Minor: Biology	University of Pennsylvania Philadelphia, PA
5/03	M.D.	Medicine	Tufts University Boston, MA
5/11	M.S.	Biostatistics, Patient Oriented Research	Mailman School of Public Health, Columbia University New York, NY

POSTDOCTORAL TRAINING

7/03-6/04	Intern	Internal Medicine	Brown Medical School Residency Program Rhode Island Hospital/Miriam Hospital/VA Medical Center Providence, RI
7/04-6/06	Resident	Internal Medicine	Brown Medical School Residency Program Rhode Island Hospital/Miriam Hospital/VA Medical Center Providence, RI
7/06-6/07	Chief Resident	Internal Medicine	Brown Medical School Residency Program Rhode Island Hospital/Miriam Hospital/VA Medical Center Providence, RI
7/07-6/09	Clinical Fellow	Division of Pulmonary, Allergy, and Critical Care Medicine	Columbia University New York Presbyterian Hospital New York, NY Included specialized pulmonary vascular disease training, University of Colorado, Weill-Cornell Heart Failure Center

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7/09-6/10

Research
Fellow

Division of
Pulmonary, Allergy,
and Critical Care
Medicine

Columbia University College of
Physicians and Surgeons
New York Presbyterian Hospital
New York, NY

POSTGRADUATE HONORS AND AWARDS

- 5/98 Mie Kim Najita Fellowship, Parmly Hearing Institute, Loyola University of Chicago
- 5/99 Rose Award for Excellence in Undergraduate Research University of Pennsylvania
- 5/03 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
- 5/06 Housestaff Teaching Award, Brown Medical School Residency Program
- 7/06-6/07 Haffenreffer Fellow in Medical Sciences, Rhode Island Hospital and Brown Medical School
- 5/07 Alpha Omega Alpha Member
- 5/09 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 Providence Business News “40 Under 40”
- 2013 Teacher of the Year Award, Division of Pulmonary, Sleep, and Critical Care Medicine, Alpert Medical School of Brown University
- 2016 Beckwith Family Award of Outstanding Teaching, Alpert Medical School of Brown University, Department of Medicine
- 2016 2016 Resident Teaching Award, Internal Medicine Residency Program, Alpert Medical School of Brown University
- 2020 Nominee, Brown University, 2020 Innovators in Science Award, New York Academy of Sciences
- 2022 Mentor, Parker B. Francis Fellowship Program

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

- 11/19 American Board of Internal Medicine: Pulmonary Disease
- 10/10 American Board of Internal Medicine: Critical Care
- 6/11 Medical license, Rhode Island

ACADEMIC APPOINTMENTS

- 7/10-6/11 Instructor of Medicine, Columbia University College of Physicians and Surgeons, NY, NY
- 7/11-6/12 Instructor of Medicine, Alpert Medical School of Brown University, Providence, RI
- 7/1/12-6/18 Assistant Professor, Department of Health Services, Policy and Practice, Brown University, Providence, RI

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7/1/12-6/30/18	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
7/1/18-present	Associate Professor, Department of Health Services, Policy and Practice, Brown University, Providence, RI
12/17-present	Associate Professor of Medicine, Alpert Medical School of Brown University, Providence, RI
2020-present	Director of Academic Affairs, Division of Pulmonary, Critical Care, and Sleep Medicine, Alpert Medical School of Brown University, Providence, RI
12/21-present	Associate Chief, Division of Pulmonary, Critical Care, and Sleep Medicine, Alpert Medical School of Brown University, Providence, RI

HOSPITAL APPOINTMENTS

7/10-6/11	Attending Physician, New York Presbyterian Hospital, NY, NY
7/11-present	Medical Director, Adult ECLS Program, Lifespan Hospital System, Providence, RI
7/11-present	Associate Director, Pulmonary Hypertension Center, Rhode Island Hospital
7/11-present	Attending Physician, Division of Pulmonary, Critical Care, and Sleep Medicine, Lifespan/Rhode Island and Miriam Hospitals, Providence, RI
6/16-present	Director of Research, Division of Pulmonary, Critical Care, and Sleep Medicine, Lifespan/Rhode Island and Miriam Hospitals, Providence, RI
8/16-present	Attending Physician, Division of Pulmonary, Critical Care, and Sleep Medicine, Lifespan/Newport Hospital, Providence, RI

OTHER APPOINTMENTS

2008-2010	Program Committee, Society of Critical Care Medicine, International Meeting
5/12-5/17	Pulmonary Circulation Program Committee, American Thoracic Society
1/13-present	Pulmonary Hypertension Care Centers Initiative Committee Registry Task Force, Pulmonary Hypertension Association
8/13-present	Pulmonary Vascular Disease Steering Committee, American College of Chest Physicians
5/14-5/16	Nominating Committee, Pulmonary Circulation Assembly, American Thoracic Society
2015	Study section scientific reviewer, Peer Reviewed Medical Research Program (PRMRP) for the Department of Defense Congressionally Directed Medical Research Programs
2015	Member, Scientific Sessions Committee, Pulmonary Hypertension Association's 2016 International Conference and Scientific Sessions
2015	First Author, Writing Committee, "Extracorporeal Life Support for Pulmonary Arterial Hypertension and Right Ventricular Failure", Extracorporeal Life Support Organization Guidelines
2017 - present	Associate Editor, Annals of the American Thoracic Society
2017- present	Board Member, Brown Physicians, Inc. Brown Medicine

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2017 - present	Chair, Pulmonary Hypertension Association's PH Care Center Communications Committee
2017 - present	Member, Early Career Committee of the 3CPR Council on Cardiopulmonary, Critical Care, Perioperative and Resuscitation, American Heart Association
9/2017	Invited Speaker, NHLBI Right Heart Failure Workshop
6/2018 -present	Pulmonary Hypertension Association's Scientific Leadership Council
2018 - present	Pulmonary Hypertension Association's Scientific Leadership Council Education Committee
2018	Reviewer, CHEST Foundation Grants
2018	Reviewer, Dutch Heart Foundation
2018 - 2019	Scientific Advisory Committee, American Thoracic Society
2018	Data Safety Monitoring Board Member, ELAFIN 01&02 "Elafin Therapy in Pulmonary Arterial Hypertension"
2018, 2019	Ad hoc scientific reviewer, NHLBI Mentored Patient-Oriented Research Review Committee, National Institutes of Health
2019 - present	Editorial Board Member, American College of Chest Physicians, CHEST
2019 - 2023	Member, Respiratory Integrative Biology and Translational Research Study Section, National Institutes of Health
2019 - 2020	Chair, Scientific Sessions Committee, Pulmonary Hypertension Association's 2020 International Conference and Scientific Sessions
2020-2021	Nominating Committee, Pulmonary Circulation Assembly, American Thoracic Society
2021	Reviewer, CHEST Foundation Critical Care Research Grant
2021- present	Member At Large, 3CPR Leadership Committee, Council of Cardiopulmonary Critical Care, Perioperative and Resuscitation, American Heart Association
2021- present	Member At Large, 3CPR Scientific & Clinical Education Lifelong Learning Committee, Council of Cardiopulmonary Critical Care, Perioperative and Resuscitation, American Heart Association
2021-2022	Program Chair-Elect, Pulmonary Circulation Assembly, American Thoracic Society 2022 International Conference
2022-2023	Program Chair, Pulmonary Circulation Assembly, American Thoracic Society 2023 International Conference
2021-present	American Board of Internal Medicine, Pulmonary Disease Longitudinal Knowledge Assessment Approval Committee
2022-present	Editorial Board Member, American Journal of Respiratory and Critical Care Medicine
2022-2023	Planning Committee, Pulmonary Vascular Research Institute, 2024 International Meeting

HOSPITAL COMMITTEES

7/05-7/07	Curriculum Committee/Wards Redesign, Internal Medicine Residency Program Rhode Island Hospital
7/11-6/13	Quality Initiative Committee, Quality Officer for the Division of Pulmonary, Critical Care, and Sleep Medicine, Lifespan/Rhode Island and Miriam Hospitals
2018-present	Research Advisory Committee, Lifespan Hospital System
2019-present	Predictive Analytics Oversight Committee, Lifespan Hospital System
2020-present	COVID Advisory Committee, Institutional Review Board, Lifespan Hospital System

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2022-present Research Computing and Data Committee, Lifespan Hospital System

UNIVERSITY COMMITTEES

99-02	Medical Education Review Committee, Tufts University
10/11-present	Resident Selection Committee, Internal Medicine Residency Program, Alpert Medical School of Brown University
2018-present	Brown Medicine Research Review Committee
2019-present	Advance K Curriculum Committee, Alpert Medical School of Brown University
7/22-6/25	Elected Member, Medical Faculty Executive Committee, Alpert Medical School of Brown University
9/22-6/25	Member, Recruitment and Retention Subcommittee, Medical Faculty Executive Committee, Alpert Medical School of Brown University

OTHER COMMITTEES

Peer Reviewer	American Journal of Respiratory and Critical Care Medicine American Journal of Physiology Heart and Circulatory Physiology Annals of the American Thoracic Society Arthritis and Rheumatism Biomarkers Arthritis & Rheumatology Circulation Circulation: Cardiovascular Imaging Circulation: Heart Failure Circulation Research Hypertension Critical Care Medicine European Respiratory Journal Intensive Care Medicine Journal of the American College of Cardiology Journal of Clinical Investigation Pulmonary Circulation
8/05-7/07	Physicians Health Committee, Rhode Island

MEMBERSHIPS IN SOCIETIES

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

PUBLICATIONS LIST

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Saunders JC, Ventetulo CE, Plontke SK, Weiss BA. Coding of sound intensity in chick cochlear nerve. J Neurophysiol 2002;88:2887-98. PMID:12466415

2. **Ventetuolo CE**, Levy MM. Sepsis: a clinical update. *Clin J Am Soc Nephrol* 2008;3:571-7. PMID:17989202
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;5:617-22. PMID:18625754
4. **Ventetuolo CE**, Levy MM. Biomarkers: diagnosis and risk assessment in sepsis. *Clin Chest Med* 2008;29:591-603. PMID:18954695
5. Mongero LB, Brodie D, Cunningham J, **Ventetuolo CE**, Kim H, Sylvan E, Bacchetta MD. Extracorporeal membrane oxygenation for diffuse alveolar hemorrhage and severe hypoxemic respiratory failure from silicone embolism. *Perfusion* 2010;25:249- 52. PMID:20566586
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;183:659-67. PMID:20889903
7. **Ventetuolo CE**, Levy MM. Cardiac biomarkers in the critically ill. *Crit Care Clin* 2011;27:327-43. PMID:21440204
8. **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:e30480. PMID:2236344
9. **Ventetuolo CE**, Lima JAC, Barr RG, Bristow MR, Bagiella E, Chahal H, Kizer JR, Lederer DJ, Bluemke DA, Kawut, SM. The renin-angiotension system and right ventricular structure and function: the MESA-Right Ventricle Study. *Pulm Circ* 2012;2(3):379-86. PMID:23130107
10. Dibble C, Barr RG, Shimbo D, Bagiella E, Chahal H, **Ventetuolo CE**, Herrington D, Lima J, Bluemke DA, Kawut SM. Brachial artery diameter and the right ventricle: the Multi-Ethnic Study of Atherosclerosis-Right Ventricle Study. *Chest* 2012;142(6):1399-405. PMID:22661452
11. **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
12. **Ventetuolo CE**, Klinger JR. WHO Group 1 pulmonary arterial hypertension: current and investigative therapies. *Prog Cardiovasc Dis* 2012;55(2):89-103. PMID:23009906
13. Poor HD, **Ventetuolo CE**. Pulmonary hypertension in the intensive care unit. *Prog Cardiovasc Dis* 2012;55(2):187-98. PMID:23009915
14. Thomashow MA, Shimbo D, Parikh MA, Hoffman EA, Vogel-Claussen J, Hueper K, Fu J, Liu C-Y, Bluemke DA, **Ventetuolo CE**, Doyle MF, Barr RG. Endothelial microparticles in mild COPD and emphysema: the MESA COPD Study. *Am J Respir Crit Care Med* 2013;19:19.
15. **Ventetuolo CE**, Praestgaard A, Herlim M, Halpern SD, Kawut SM. Sex and hemodynamics in pulmonary arterial hypertension. *Eur Respir J*. 2014; 43:523-30. PMID: 23949961

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16. **Ventetuolo CE**, Klinger JR. Management of acute right ventricular failure in the intensive care unit. *Ann Am Thorac Soc*. 2014; 11:811-22. PMID: 24828526
17. Goldberg E, Wapner J, **Ventetuolo CE**, Syncope and Dyspnea - A Case Simulation. *MedEdPORTAL*; 2014. Available from: www.mededportal.org/publication/9734
18. **Ventetuolo CE**, Muratore CS. Extracorporeal life support in critically ill adults. *Am J Respir Crit Care Med*. 2014; Jul 21. PMID: 25046529
19. **Ventetuolo CE**, Gabler NB, Fritz JS, Smith KA, Palevsky HI, Klinger JR, Halpern SD, Kawut SM. Are hemodynamics surrogate endpoints in pulmonary arterial hypertension. *Circulation*. 2014; Jun 20. PMID: 24951771
20. Sangal RB, Taylor LE, Gillani F, Klinger JR, **Ventetuolo CE**. Risk of echocardiographic pulmonary hypertension in individuals with human immunodeficiency virus-hepatitis C virus coinfection. *Ann Am Thorac Soc*. 2014 Nov 6. PMID: 25375659
21. 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; Oct 8. PMID: 25295642
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*. 2014 Dec 3. [Epub ahead of print] No abstract available. PMID: 25465907
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-Alpha Are Associated with Quality of Life-related Symptoms in Pulmonary Arterial Hypertension. *Ann Am Thorac Soc*. 2015 Jan 23. [Epub ahead of print] PMID: 25615959
24. **Ventetuolo CE**, Kawut SM. What's the (end) point? *Eur Respir J*. 2015 Mar; 45 (3):853-4. PMID: 25726539
25. **Ventetuolo CE (also corresponding author)**, 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;47:553-563. PMID: [26647441](https://pubmed.ncbi.nlm.nih.gov/26647441/)
26. **Ventetuolo CE (also corresponding author)**, 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;193:1168-75. PMID: [26651504](https://pubmed.ncbi.nlm.nih.gov/26651504/)
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;110:319-330. PMID 26980205
28. Kawut SM, Archer-Chicko CL, DiMichele 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

29. Foderaro A, **Ventetuolo CE**. Pulmonary Arterial Hypertension and the Sex Hormone Paradox. *Curr Hypertens Rep.* 2016 (In Press).
30. 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)
31. Banerjee D, **Ventetuolo CE**. Pulmonary hypertension in pregnancy. *Semin Respir Crit Care Med.* 2017 April;38:148-159.
32. Simmons J, **Ventetuolo CE**. Cardiopulmonary monitoring of shock. *Curr Opin Crit Care.* 2017 June;23:223-231.
33. Banerjee D, Kamuren J, Baird GL, Palmisciano AP, Krishnan I, Whittenhall M, Klinger JR, **Ventetuolo CE**. The Modified Borg Dyspnea Scale does not predict hospitalization in pulmonary arterial hypertension. *Pulm Circ.* 2017 Apr-June;7(2):384-390.
34. 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.
35. Foderaro AE, Bazargan-Lari A, Morrissey PE, Gohh RY, Poppas A, Klinger JR, **Ventetuolo CE**. Echocardiographic pulmonary hypertension predicts post-transplant renal allograft failure. *Transplant Proc.* 2017 July-August;49(6):1256-1261.
36. **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 Nov 9;12(11):e0187734.
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.
38. 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.
39. 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
40. 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.
41. 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. Incentive Spirometry Adherence: A National Survey of Provider Perspectives. *Respir Care*. 2018 May;63(5):532-537.
42. 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.
 43. Lahm T, Douglas IS, Archer SL, Bogaard HJ, Chesler NC, Haddad F, Hemnes AR, Kawut SM, Kline JA, Kolb TM, Mathai SC, Mercier O, Michelakis ED, Naeije R, Tudor RM, **Ventetuolo CE**, Vieillard-Baron A, Voelkel NF, Vonk-Noordegraaf A, Hassoun PM. Assessment of Right Ventricular Function in the Research Setting: Knowledge Gaps and Pathways Forward. An Official American Thoracic Society Research Statement. *Am J Respir Crit Care Med*. 2018 Aug 15;198(4):e15-e43.
 44. Mullin CJ, **Ventetuolo CE**. Nothing but a Number? Age and Precision Treatment in Pulmonary Arterial Hypertension. *Am J Respir Crit Care Med*. 2018 Oct 15;198(8):986-988.
 45. Banerjee D, Vargas SE, Guthrie KM, Wickham BM, Allahua M, Whittenhall ME, Palmisicano AJ, **Ventetuolo CE**. Sexual health and health-related quality of life among women with pulmonary arterial hypertension. *Pulm Circ*. 2018 Oct-Dec;8(4):2045894018788277.
 46. 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 Jan-Dec;55:46958018794993.
 47. Mullin CJ, Kato GJ, **Ventetuolo CE**. Anakinra, What is Thy Bidding in Pulmonary Hypertension? *Am J Respir Crit Care Med*. 2019 Feb 1.
 48. Mathai SC, Ryan Hemnes A, Manaker S, Anguiano RH, Dean BB, Saundankar V, Classi P, Nelsen AC, Gordon K, **Ventetuolo CE**. Identifying Patients with Pulmonary Arterial Hypertension (PAH) Using Administrative Claims Algorithms. *Ann Am Thorac Soc*. 2019 Mar 13.
 49. Eltorai AEM, Baird GL, Eltorai AS, Healey TT, Agarwal S, **Ventetuolo CE**, Martin TJ, Chen J, Kazemi L, Keable CA, Diaz E, Pangborn J, Fox J, Connors K, Sellke FW, Elias JA, Daniels AH. Effect of an Incentive Spirometer Patient Reminder After Coronary Artery Bypass Grafting: A Randomized Clinical Trial. *JAMA Surg*. 2019 Apr 10.
 50. Austin M, Quesenberry PJ, **Ventetuolo CE**, Liang O, Reagan JL. Prevalence and Effect on Survival of Pulmonary Hypertension in Myelofibrosis. *Clin Lymphoma Myeloma Leuk*. 2019 May 13. pii: S2152-2650(19)30110-7. doi: 10.1016/j.clml.2019.05.009. [Epub ahead of print].
 51. Oliveira AC, Fu C, Lu Y, Williams MA, Pi L, Brantly ML, **Ventetuolo CE**, Raizada MK, Mehrad B, Scott EW, Bryant AJ. Chemokine signaling axis between endothelial and myeloid cells regulates development of pulmonary hypertension associated with pulmonary fibrosis and hypoxia. *Am J Physiol Lung Cell Mol Physiol*. 2019 Oct 1;317(4):L434-L444. doi: 10.1152/ajplung.00156.2019. Epub 2019 Jul 31. PMID:31364370
 52. Al-Naamani N, **Ventetuolo CE**. Another piece in the estrogen puzzle of pulmonary hypertension. *Am J Respir Crit Care Med*. 2020 Feb 1;201(3):274-275. doi: 10.1164/rccm.201910-1982ED. [Epub ahead of print] No abstract available. PMID:31689368

53. Fu C, Lu Y, Williams MA, Brantly ML, **Ventetuolo CE**, Morel LM, Mehrad B, Scott EW, Bryant AJ. Br J Pharmacol. Emergency myelopoiesis contributes to immune cell exhaustion and pulmonary vascular remodelling. 2019 Dec 3. doi: 10.1111/bph.14945. [Epub ahead of print] PMID:31793661
54. Abbasi A, Devers C, Sodha NR, **Ventetuolo CE**. Extracorporeal Life Support in Adults with Acute Respiratory Failure: Current Evidence-based Practices. R I Med J (2013). 2019 Dec 2;102(10):39-42. PMID: 31795533
55. Hester J, **Ventetuolo CE**, Lahm T. Sex, Gender, and Sex Hormones in Pulmonary Hypertension and Right Ventricular Failure. Compr Physiol. 2019 Dec 18;10(1):125-170. doi: 10.1002/cphy.c190011. PMID:31853950
56. Samokhin AO, Hsu S, Yu PB, Waxman AB, Alba GA, Wertheim BM, Hopkins CD, Bowman F, Channick RN, Nikolic I, Faria-Urbina M, Hassoun PM, Leopold JA, Tedford RJ, **Ventetuolo CE**, Leary PJ, Maron BA. Circulating NEDD9 is increased in pulmonary arterial hypertension: A multicenter, retrospective analysis. J Heart Lung Transplant. 2019 Dec 31. pii: S1053-2498(19)31808-X. doi: 10.1016/j.healun.2019.12.002. [Epub ahead of print] PMID: 31952977
57. **Ventetuolo CE**, Aliotta JM, Braza J, Chichger H, Dooner M, McGuirl D, Mullin CJ, Newton J, Pereira M, Princiotta A, Quesenberry PJ, Walsh T, Whittenhall M, Klinger JR, Harrington EO. Culture of Pulmonary Arterial Endothelial Cells from Pulmonary Artery Catheter Balloon Tips: Considerations for Use in Pulmonary Vascular Disease. Eur Respir J. 2020 Jan 16. pii: 1901313. doi: 10.1183/13993003.01313-2019. [Epub ahead of print] PMID: 31949110
58. Klinger JR, Pereira M, Del Tatto M, Brodsky AS, Wu KQ, Dooner MS, Borgovan T, Wen S, Goldberg LR, Aliotta JM, **Ventetuolo CE**, Quesenberry PJ, Liang OD. Mesenchymal Stem Cell Extracellular Vesicles Reverse Sugen/Hypoxia Pulmonary Hypertension in Rats. Am J Respir Cell Mol Biol 2020 May;62(5):577-587. doi: 10.1165/rcmb.2019-0154OC.
59. Poor HD, **Ventetuolo CE**, Tolbert T, Chun G, Serrao G, Zeidman A, Dangayach NS, Olin J, Kohli-Seth R, Powell CA. COVID-19 critical illness pathophysiology driven by diffuse pulmonary thrombi and pulmonary endothelial dysfunction responsive to thrombolysis. Clin Transl Med. 2020 May 13;10.1002/ctm2.44. doi: 10.1002/ctm2.44. Online ahead of print. PMID: 32508062
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61. Goncharova EA, Chan SY, **Ventetuolo CE**, Weissmann N, Schermuly RT, Mullin CJ, Gladwin MT. Update in Pulmonary Vascular Diseases and Right Ventricular Dysfunction 2019. Am J Respir Crit Care Med. 2020 Jul 1;202(1):22-28. doi: 10.1164/rccm.202003-0576UP. PMID: 3231129
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71. Reynolds AS, Lee AG, Renz J, DeSantis K, Liang J, Powell CA, **Ventetuolo CE**, Poor HD. Reply to: Positive Bubble Study in Severe COVID-19 Indicates the Development of Anatomical Intra-pulmonary Shunts in Response to Microvascular Occlusion. *Am J Respir Crit Care Med*. 2020 Sep 30. doi: 10.1164/rccm.202009-3404LE.
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102. Cox-Flaherty K, Baird GL, Braza J, Guarino BD, Princiotta A, **Ventetuolo CE**, Harrington EO. Commercial human pulmonary artery endothelial cells have in-vitro behavior that varies by sex. *Pulm Circ.* 2022 Oct 1;12(4):e12165. doi: 10.1002/pul2.12165. eCollection 2022 Oct.
103. Sun X, Nakajima E, Norbrun C, Sorkhdini P, Yang AX, Yang D, **Ventetuolo CE**, Braza J, Vang A, Aliotta J, Banerjee D, Pereira M, Baird G, Lu Q, Harrington EO, Rounds S, Lee CG, Yao H, Choudhary G, Klinger JR, Zhou Y. Chitinase 3 like 1 contributes to the development of pulmonary vascular remodeling in pulmonary hypertension. *JCI Insight.* 2022. Sep 22;7(18):e159578. doi: 10.1172/jci.insight.159578.PMID: 35951428
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105. Rohlfing AB, Bischoff KE, Kolaitis NA, Kronmal RA, Kime NA, Gray MP, Bartolome S, Chakinala MM, Frantz RP, Ventetuolo CE, Mathai SC, De Marco T; PHAR investigators. Palliative care referrals in patients with pulmonary arterial hypertension: The Pulmonary Hypertension Association Registry. *Respir Med.* 2023 Jan; 206:107066. PMID: 36470050.

BOOK CHAPTERS

1. Poor, HD, **Ventetuolo CE**, Bull TM. "Pulmonary Hypertension in Critically Ill Patients". Diagnosis and Management of Pulmonary Hypertension. James R. Klinger, Robert P. Frantz. Respiratory Medicine. Volume 12 2015
2. 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.
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." Aaron B. Waxman, Inderjit Singh. Clinics in Chest Medicine. Elsevier. 2021

OTHER NON-PEER REVIEWED PUBLICATIONS

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

ABSTRACTS (Past Three Years)

1. Simmons J, Haines P, Aliotta JM, Extein J, Baird G, **Ventetuolo CE**, Right Ventricular Dysfunction by Speckle-Tracking Echocardiography as a Predictor of Outcomes in Acute Respiratory Failure Requiring Mechanical Ventilation. Am J Respir Crit Care Med 2019;199:A2523
2. Zaman T, Ouyang P, Michos E, **Ventetuolo CE**, Podolanczuk A, Kawut SM, Raghu G, Hinckley KD, Stukovsky , Barr RG, Lee JS, Lederer DJ. Sex Hormones and Interstitial Lung Abnormalities in a Population-Based Cohort: The Multi-Ethnic Study of Atherosclerosis. Am J Respir Crit Care Med 2019;199:A7141.
3. 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.
4. 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
5. 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.

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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. 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.
8. Liang O, Pereira M, Jeong EM, So EY, Wu KQ, DelTatto M, Dooner M, **Ventetuolo CE**, Quesenberry P, Klinger 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
9. 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.
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. 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.
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. 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.
14. 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.
15. 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.

INVITED PRESENTATIONS

INVITED PRESENTATIONS: REGIONAL

1. ECMO in adults with respiratory failure. Rhode Island Society for Respiratory Care 2012 Conference. Providence, RI, USA. March 2012
2. ECLS: A bridge to recovery. Department of Medicine Grand Rounds, Alpert Medical School of Brown University. Providence, RI, USA. September 2012
3. Speaker/Research Presentation, American Heart Association Rhode Island Research Symposium. Providence, RI, USA. March 2013

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4. Speaker, Pulmonary Hypertension 2013. 3rd Annual Dr. Meyer Saklad Memorial Respiratory Care Symposium. Providence, RI, USA. June 2013
5. Speaker, Contemporary Approach to the Diagnosis and Treatment of Pulmonary Vascular Disease. Department of Medicine Grand Rounds, Sturdy Memorial Hospital. Attleboro, MA, USA. June 2013
6. Speaker, Pulmonary Hypertension and Right Ventricular Failure: What a Surgeon Should Know. Department of Surgery Grand Rounds, Rhode Island Hospital. Providence, RI, USA. November 2013
7. Lecture Series, Brown Pulmonary Research Seminar, Research Methodology Series, Providence, RI, USA. February – March 2014
8. Speaker, Adult ECMO in Early ARDS. Rhode Island Society for Respiratory Care Conference. Newport, RI, USA. March 2014
9. Speaker, Strategies for Managing Pulmonary Hypertension, and the Right Ventricle in ECLS Patients. SEECMO 2014. Providence RI, USA. April 2014
10. Moderator, Exercise-Induced Pulmonary Arterial Hypertension (PAH). Tufts University School of Medicine 12th Annual Update in Pulmonary Hypertension. Cambridge, MA, USA. December 2014
11. Invited Speaker, ECLS for the Critically Ill Adult. Kent Hospital Grand Rounds, Warwick, RI, USA. January 2015
12. Overview of PH: Epidemiology and Pathophysiology. PHA Preceptorship Program, Providence, RI, USA. September 2015
13. Speaker, “Initiating PAH Therapy”, 14th Annual Update in Pulmonary Hypertension, Tufts School of Medicine, Boston, MA, USA. December 2016
14. Grace McLeod Rego Medicine 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. June 2017
15. Co-chair and speaker; PHA On the Road, Providence, RI, USA. August 2017
16. Speaker, “Great Cases: WHO Group 3 and 5 PH”, 15th Annual Update in Pulmonary Hypertension. Tufts School of Medicine, Boston, MA, USA. December 2017
17. Speaker, “Dialysis for the Lungs”, 8th Annual Dr. Meyer Saklad Memorial Respiratory Care Symposium. Rhode Island Hospital, Providence, RI, USA. June 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. December 2018
19. Discussant, “Treatment Algorithm for Group 1 PH”, 17th Annual Update in Pulmonary Hypertension. Tufts School of Medicine, Boston, MA, USA. December 2020
20. Speaker, “Sexual Dimorphism and Endotypes in Pulmonary Vascular Disease” BIRD’s Conference, Alpert Medical School of Brown University, Providence, RI. February, 2021
21. Speaker, Advance-K Scholars, “Human Subjects”, Alpert Medical School of Brown University, Providence, RI. May 2021
22. Discussant, “Clinical Research Progress and Pipeline”, 18th Annual Update in Pulmonary Hypertension. Tufts School of Medicine, Boston, MA, USA. December 2021
23. Speaker, M-BRISC Virtual Seminar Series, January 2022
24. Speaker, Advance-K, April 2022
25. Speaker, “Pulmonary Hypertension” Fellows Didactic, Alpert Medical School of Brown University, Providence, RI. April 2022
26. Speaker, “Career Pathways as a Physician Scientist”, T35 Basic Translational Research Program. Alpert Medical School of Brown University, Providence, RI. July 2022

INVITED PRESENTATIONS: NATIONAL

1. ECMO in the Critically Ill Adult, Pulmonary, Allergy and Critical Care Grand Rounds,

January | 2023

2. Hospital of the University of Pennsylvania. Philadelphia, PA, USA. September 2013
3. Speaker, Management of Acute Right Heart Failure in the ICU, 2014 Advances in Pulmonary and Critical Care Conference. Fairfax, VA, USA. March 2014
4. Speaker, Making it Real: Endpoints and Outcomes in Pulmonary Hypertension, Alfred P. Fishman Symposium: New Treatment Approaches to Pulmonary Hypertension, Philadelphia PA, USA. April 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. December 2014
6. 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. December 2014
7. 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. January 2015
8. 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. November 2015
9. 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. February 2015
10. Guest Lecturer, Sex, Sex Hormones, and the Right Ventricle: Toward Understanding the Estrogen Paradox of Pulmonary Arterial Hypertension; Pulmonary, Critical Care, and Sleep Medicine Grand Rounds, New York University Langone Medical Center, New York, NY, USA. September 2015.
11. Guest speaker, Icahn School of Medicine at Mount Sinai Respiratory Institute Grand Rounds, New York, NY, USA. March 2016
12. Speaker, “Indications for VA and VV ECMO: Overview and Current Evidence”, Penn Medicine Adult ECMO Symposium, Philadelphia, PA, USA. March 2017
13. Speaker, “Indications for VA and VV ECMO: Overview and Current Evidence”, Penn Medicine Adult ECMO Symposium, Philadelphia, PA, USA. May 2018
14. Invited Speaker, NHLBI Sex/Gender-related Autoimmune Induced Lung Diseases Workshop, March 2020 (postponed due to COVID-19)
15. NHLBI/NICHD/ORWH Pregnancy and Maternal Conditions that Increase Risk of Morbidity and Mortality Working Group, May 2020
16. Speaker, Brown Institute for Respiratory Disease, “Sexual Dimorphism and Endotypes in Pulmonary Vascular Disease”, February 2021
17. Speaker, Houston Methodist, Division of Pulmonary, Critical Care & Sleep Medicine Grand Rounds. “Management of RV Failure in Critically Ill Adults”, March 2021
18. Speaker, CHEST Conference (Pulmonary Grand Rounds) Warren Alpert Medical School of Brown University, Providence, RI, “Emerging Treatment Paradigms in Pulmonary Arterial Hypertension” November 2021
19. Speaker, Milford Regional Medical Center Milford, MA, “Extracorporeal Life Support for Critically Ill Adults” July 2022
20. Panelist, Tufts University 19th Annual Update in Pulmonary Hypertension, “Clinical Research Progress and Pipeline”, December 2022
21. Speaker, Penn Medicine ECMO/MCS Symposium, “When Medical Management Fails: When to Use ECMO”, February 2023

INVITED PRESENTATIONS: INTERNATIONAL

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1. Sunrise Seminar, Evaluating the patient referred for pulmonary hypertension. American Thoracic Society 2011 International Conference. Denver, CO, USA. May 2011
2. Chairman, Poster Discussion Session, Acute pulmonary embolism: diagnosis, risk stratification and treatment. American Thoracic Society 2011 International Conference. Denver, CO, USA. May 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. May 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. June 2012
5. Facilitator, Thematic Poster Session C65: Assessment of Pulmonary Hypertension. American Thoracic Society 2013 International Conference. Philadelphia, PA, USA. May 2013
6. 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. May 2013
7. 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. May 2013
8. 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. May 2013
9. Sunrise Seminar, SS314: Managing the Right Ventricle in Critical Illness. American Thoracic Society 2013 International Conference. Philadelphia, PA, USA. May 2013
10. Speaker, Targeting the Right Ventricle in Pulmonary Vascular Disease. CHEST 2013 Conference. Chicago, IL, USA. October 2013
11. Thromboembolism Prophylaxis: Which Drugs and Which Patients? 26^o Congresso Nazionale della Società Italiana di Terapia Intensiva. Florence, Italy. November 2013
12. Right Ventricular Failure in the ICU 26^o Congresso Nazionale della Società Italiana di Terapia Intensiva. Florence, Italy. November 2013
13. Thromboembolism Prophylaxis: How to Stratify the risk in Pulmonary Embolism? 26^o Congresso Nazionale della Società Italiana di Terapia Intensiva. Florence, Italy. November 2013
14. Speaker, International Society for Heart and Lung Transplantation 34th Annual Meeting and Scientific Sessions, The Effects of Prostaglandin Therapy in PAH: The Seen and Unseen Risk/Benefit Profile, San Diego, CA, USA. April 2014
15. Session Co-Chair, International Society for Heart and Lung Transplantation 34th Annual Meeting and Scientific Sessions, Left Heart Failure, the RV, and Other Types of Pulmonary Hypertension, San Diego, CA, USA. April 2014
16. Moderator, International Society for Heart and Lung Transplantation 34th Annual Meeting and Scientific Sessions, Poster Session 3: Pulmonary hypertension, San Diego, CA, USA. April 2014
17. Lead Facilitator, American Thoracic Society 2014 International Conference, Thematic Poster Session: Clinical Evaluation and Biomarkers of PH, San Diego, CA, USA. May 2014
18. Panelist, PHA International PH Conference and Medically Led Sessions, PH and Lung Disease, Sleep Apnea, and Oxygen Supplementation, Indianapolis, IN, USA. June 2014
19. Speaker, Congresso Nazionale della Società Italiana di Terapia Intensiva, Florence, Italy ECMO: Pros and Cons, Florence, Italy. December 2015

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20. Clinical Year in Review on Pulmonary Hypertension, American Thoracic Society International Conference 2015 International Conference, Denver, CO, USA. May 2015
21. 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. May 2015
22. Session Moderator, Hooked on PH'Omics Scientific Symposium, 2016 American Thoracic Society International Conference, San Francisco, CA, USA. May 2016
23. Session Co-Chair and Speaker, It Takes Two to Tango: Right and Left Ventricle Interactions in Pulmonary Vascular Disease Scientific Symposium, 2016 American Thoracic Society 2016 International Conference, "Left, Right, or Both? Is there a Role for Beta Blockers, ACE Inhibitors, or Neurohormonal Modulators in RV Failure?", San Francisco, CA, USA. May 2016
24. 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. May 2016
25. Session Co-Chair and Speaker, Update in Extracorporeal Life Support, "Current Strategies for Lung Failure" CHEST 2016, Los Angeles, CA, USA. October 2016
26. Invited speaker, "Oestrogen Metabolism and Right Ventricular Function", Pulmonary Vascular Research Institute Annual World Congress, Miami, FL, USA. January 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. April 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. May 2017
29. 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. May 2017
30. 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. May 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. September 2017
32. Moderator, "Basic Science and Clinical Trials: Accelerating the Future"; PHA's 2018 International Conference and Scientific Sessions, Orlando, FL, USA. June 2018
33. Invited Speaker, "The Benefits of Inhaled and Infused Therapies"; PHA's 2018 International Conference and Scientific Sessions, Orlando, FL, USA. June 2018
34. Panelist, Diagnosing PH: Steps to an Accurate Diagnosis"; PHA's 2018 International Conference and Scientific Sessions, Orlando, FL, USA. June 2018.
35. Panelist, "Extracorporeal Life Support in 2018"; International Forum of Hot-Spots and New Technologies in Critical Illness, Shenzhen, China. August 2018
36. Invited Presenter, "Race and Sex: Differences in Response to Pharmacologic Agents in PAH"; American Heart Association's 2018 Scientific Sessions, Chicago, IL, USA. September 2018
37. Invited Presenter, "Inotropic Management of Right Ventricular Failure: Evidence Based Medicine?"; American Heart Association's 2018 Scientific Sessions, Chicago, IL, USA. September 2018
38. Speaker, "Future Directions and Emerging Therapies in PH", Pulmonary Hypertension Association's PH Professional Network Symposium 2019

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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
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, December 2020
42. Speaker, “The Pathophysiology of Right Heart Failure in COVID-19”, American College of Cardiology Annual Scientific Sessions of the College, May 2021
43. Moderator, “WHO Group 3 Pulmonary Hypertension: To Treat or Not to Treat”, American Thoracic Society 2021 International Conference, Virtual
44. Co-Chair, “Clinical Controversies in Pulmonary Hypertension: A Pro/Con Debate”, American Thoracic Society 2021 International Conference, Virtual
45. Speaker, “Isolating Human Endothelium in Vascular Disease”, American Thoracic Society Lung Endothelium in Health and Disease Workshop. Virtual, April, 2022
46. Moderator, “What Would you do? Managing Special Populations with Pulmonary Hypertension”, American College of Cardiology, Washington, DC, USA, April 2022
47. Speaker “Oh Baby! Management of PAH During Pregnancy”, American College of Cardiology, Washington, DC, USA, April, 2022
48. Moderator, “Lost in Translation? Preclinical To Clinical Studies in Pulmonary Hypertension”, ATS 2022 International Conference, San Francisco, CA May 2022
49. Speaker, “What We Have Learned Since PHA 2018: Update on Clinical Trials” PHA 2022 Scientific Session, Atlanta, GA June 2022
50. Speaker, “Impact of ECCO2R on Pulmonary Hypertension and the Right Ventricle”, 33rd Annual ELSO Conference, Boston, MA, September 2022
51. Moderator/Judge, Cournand and Comroe Early Career Investigator Award Competition, American Heart Association Scientific Sessions 2022, Chicago, IL, September 2022
52. Speaker, “Role of ECMO in Management of End-Stage PAH”, Surgical Management of End-Stage PAH, American Heart Association Scientific Sessions 2022, Chicago, IL, September 2022
53. Speaker, “RV Dysfunction, It’s Not About the Sex Hormones”, American Heart Association Scientific Sessions 2022, Chicago, IL, September 2022
54. Poster Professor, “Recent Advances and Novel Paradigms for the Management of Pulmonary Hypertension”, American Heart Association Scientific Sessions 2022, Chicago, IL, September 2022

GRANTS AND RESEARCH SUPPORT

PENDING

7/1/23- 6/30/28	Contact PI	PENDING	R01HL163986-A1 NHLBI “Pulmonary Artery Endotypes and the Role of Anoikis Resistance in Pulmonary Hypertension” The aims of this grant are to deeply phenotype endothelial cells harvested from right heart catheterizations over the course of pulmonary vascular disease as a means for understanding anoikis resistance and microheterogeneity in endothelial cell populations.
7/1/23- 6/30/28	Contact PI	PENDING	R01 EY035349 NHLBI “Retinal Vascular Remodeling in Pulmonary Arterial Hypertension” The aims of this grant are to develop retinal imaging as a novel means for screening and as a marker of pulmonary vascular remodeling in pulmonary hypertension

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1/23- Mentor
1/25

AWARDED Patterson Trust Mentored Research Award,
“Dehydroepiandrosterone, Sexual Dimorphism and
Endothelial Cell Phenotypes in Pulmonary Arterial
Hypertension”

ACTIVE

05/18- 04/23	Principal Investigator	ACTIVE	R01HL141268 NHLBI “Dehydroepiandrosterone in Pulmonary Hypertension” The aims of this grant are to conduct a cross-over trial and pulmonary artery endothelial cell experiments to determine the effects of dehydroepiandrosterone on the pulmonary vasculature and right ventricle in patients with pulmonary arterial hypertension.
7/1/21 - 6/30/26	Consultant	ACTIVE	R01-HL159887 (MPI Kawut, Zamanian) NHLBI “Case- Control Study of Methamphetamine in Pulmonary Arterial Hypertension”. The long-term objectives of this study are to establish epidemiological association between methamphetamine use and pulmonary arterial hypertension.
1/17- 12/21 (NCE)	Co-Investigator; Study Co-Chair	ACTIVE	R01 HL134905 (PI: Kawut) Anastrozole in Pulmonary Arterial Hypertension Multi-center Phase II randomized double-blind placebo controlled clinical trial of anastrozole in pulmonary vascular disease.
1/21- 6/22 (NCE)	Multiple Principal Investigators	ACTIVE	Seed Award, Brown University Pulmonary Artery Endothelial Cell Phenotypes During Pulmonary Hypertension The aims of this grant are to phenotype endothelial cells harvested from right heart catheterizations over the course of pulmonary vascular disease and to study cell interaction with vascular substrate stiffness and topography.
9/13/2021	Co-Mentor	ACTIVE	ENTELLIGENCE Young Investigator Program “Biological Sex and Sex-Hormones Moderate RV Dysfunction and Recovery in CTEPH” The goals of this mentored research award are to investigate sexual dimorphism in right ventricular adaptation in chronic thromboembolic pulmonary hypertension
6/1/22- 5/31/23	Mentor	ACTIVE	P20GM103652 (PI Abbasi) “Predicting Outcomes in Patients Treated with Extracorporeal Membrane Oxygenation: Applying Machine Learning to Electronic Health Record Data”.

This project will leverage large electronic medical record-based datasets to develop deep neural networks predictive of complications during extracorporeal support.

7/22-6/25	Mentor	ACTIVE	Parker B. Francis Fellowship (PI Abbasi) “Hemorrhage and Thrombosis in Extracorporeal Life Support” This project will establish a prospective longitudinal cohort of patients supported with extracorporeal life support who undergo neurophenotyping in order to develop novel markers of complications.
10/21-10/22 (NCE)	Mentor	ACTIVE	CHEST Foundation “Mitochondrial Dysfunction and Oxidative Stress in Pulmonary Arterial Hypertension” This study will examine metabolic changes in pulmonary artery endothelial cells from living patients with pulmonary vascular disease.
9/18-9/20 (NCE)	Mentor	ACTIVE	United Therapeutics Jenesis Innovative Outcomes Research Award Vargas (PI) Health-Related Quality of Life: Patient-Focused Strategies for Measuring and Improving Sexual Health and Functioning among Patients with PAH The goal of this project is to assess patient perceptions of sexual health in PAH.
2/17-2/27	Mentor	ACTIVE	T32HL134625, NHLBI (PI: Harrington, Levy, Rounds) Brown Respiratory Research Training Program Didactic and career development training and mentored research experience with an overall goal to develop MD and PhD scientists whose research will improve understanding of the causes of respiratory diseases and improve the treatment and outcomes of these disorders.

PAST

7/18-6/21	Co-Investigator	PAST	18TPA34110329, AHA (PI: Liang) The Role of Endothelial to Hematopoietic Transformation in the Pathogenesis of Pulmonary Hypertension
5/20-	Mentor	PAST	U54GM115677, Advance CTR (PI: Rounds) “Predicting Hemorrhage and Thrombosis in Extracorporeal Life Support”
2018, 2021	Mentor	PAST	5T35HL094308-12, NHLBI (PI: Harrington) Alpert Medical School Summer Research Program Mentored research experience for medical students.
9/13-5/18	Co-Principal Investigator	PAST	P20 GM103652-01A1 NGIMS “COBRE” for Cardiopulmonary Vascular Biology”. Sex Hormones and Pulmonary Vascular and Right Ventricular Dysfunction.
2011-2013	Trainer	PAST	R25 HL088992-05, Short-term Training Program to Increase Diversity in Health-Related Research.
5/11-4/16	Co-Investigator	PAST	K24HL103844, Aromatase Inhibitors in Pulmonary Vascular

7/11-6/17	Principal Investigator	PAST	Complications of Liver Disease. 11FTF7400032, American Heart Association, Fellow-to- Faculty Transition Award, Estrogen Metabolism and Right Ventricular Structure and Function: The MESA-RV Study.
11/11-11/12	Principal Investigator	PAST	WS1952812, ASPIRE Pulmonary Vascular Disease Young Investigator Research Award Sex Hormones and Genetic Determinants of Right Ventricular Structure and Function: The MESA- RV Study.
12/11-12/14	Principal Investigator	PAST	Division of Pulmonary, Critical Care, & Sleep Medicine, Alpert Medical School of Brown University, Clinical and Biologic Characteristics of Pulmonary Hypertension in the Modern Era: New England Regional Pulmonary Hypertension Database.
4/12-7/14	Mentor	PAST	(AMSSRP), T35 HL094308-03, Alpert Medical School Summer Research Program Examining hepatitis C and hepatitis C/HIV co-infection as risk factors for pulmonary hypertension.
10/12-10/13	Principal Investigator	PAST	CF- 2012-009, The CHEST Foundation Clinical Research, Award in Pulmonary Arterial Hypertension The Menstrual Cycle, Angiogenesis, and Right Ventricular Function in Pulmonary Arterial Hypertension.
11/12-11/13	Principal Investigator, Mentor	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.
7/15-7/16	Mentor	PAST	The CHEST Foundation Clinical Research, Award in Pulmonary Arterial Hypertension Sudden Cardiac Death in Pulmonary Arterial Hypertension: The Role of the Sodium Channel.

UNIVERSITY TEACHING ROLES

7/10-6/11	Lecturer, Columbia University, College of Physicians and Surgeons <ul style="list-style-type: none"> Lectures on pulmonary vascular disease to fellows and Internal Medicine house staff Morning report for Internal Medicine house staff Medical IntensiveCare Unit lecture series
7/11-present	Speaker and Panelist, Alpert Medical School of Brown University <ul style="list-style-type: none"> 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
7/11- present	Teaching Attending, Rhode Island Hospital <ul style="list-style-type: none"> Medical Intensive Care Unit teaching rounds for fellows and house staff
9/11-present	Trainer, Alpert Medical School of Brown University

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- Short-term Training Program to Increase Diversity in Health-Related Research (PI: Rounds/Smith, R25 HL088992-05)

1/12-present Mentor, Alpert Medical School of Brown University Alpert Medical School Summer Research Program (PI: Gruppuso, T35 HL094308-03)

1/13-present Lecturer, Alpert Medical School of Brown University Research Methodology Series, Pulmonary/Critical Care Fellowship Program

4/14-present Local Director, Alpert Medical School of Brown University Community Based Teaching Program

HOSPITAL TEACHING ROLES

7/11-present Lifespan Lecturer/Trainer, Adult ECLS training for MICU nurses and respiratory therapists, including bi-weekly 1 hour lecture series

