

**CURRICULUM VITAE
BRIAN CASSERLY, M.D.**

Business Address Division of Pulmonary, Sleep & Critical Care Medicine
 Memorial Hospital of Rhode Island
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EDUCATION

Medical School University College Dublin, Dublin 4, Ireland (1993-1999)
 Degree MB BCh BAO (Honours)

POSTGRADUATE TRAINING

Internship Mater Misericordiae Hospital, Eccles St, Dublin 2 (1999-2000)

Residency Mater Misericordiae Hospital, Eccles St, Dublin 2
 Internal Medicine Residency Program (2000-2002)

 Albany Medical Center, Internal Medicine
 Residency Program, Albany, NY (2002-2004)

 New England Medical Center, Internal Medicine
 Residency Program, Boston, MA (2004-2005)

Fellowship Brown University, Pulmonary & Critical Care Medicine
 Fellowship Program, Providence, RI (2005-2008)

POSTGRADUATE HONORS AND AWARDS

2001 Conferred full membership of the Royal College of Physicians of Ireland November
 2001. (MRCPi)

2004 Represented Upstate New York at the National ACP poster competition in New Orleans
 and received an order of merit from the ACP.

- 2004 Won first prize at the Upstate Chapter American Academy of Physicians clinical vignette competition.
- 2006 Finalist in the chest challenge (an ACCP sponsored competition that includes all accredited pulmonary/CCM program in the United States and Canada) and was subsequently awarded faculty privilege in American College of Chest Physicians during Chest Meeting 2006.
- 2006 Speaker at the Irish Thoracic Society Annual Scientific Meeting
- 2007 Fellow's Clinical Case Symposium at American Thoracic Society San Francisco, California
- 2007 ATS Travel Grant Award – Pulmonary Circulation
- 2008-present Reviewer for three prestigious peer-review journals “Lung” , “Circulation” and “AJRCCM”.
- 2009 “Rationing in healthcare – an Irish perspective American Thoracic Society San Diego, California
- 2009 Director of the Brown Chest Conference

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

USMLE Part I and II 2001
 USMLE Part III, 2002
 Irish Medical Council, 2001 -
 American Board of Internal Medicine, 2005 -2015
 American Board of Pulmonary Medicine, 2007 – 2017
 American Board of Critical Care, 2008- 2018
 Rhode Island Licensure, 2008 -present

ACADEMIC APPOINTMENTS

Brown University Teaching Fellow, 2005-2008
 Assistant Professor of Medicine
 The Warren Alpert Medical School of Brown University

HOSPITAL APPOINTMENTS

Consultant Physician, Division of Pulmonary, Sleep & Critical Care Medicine,
 Memorial Hospital of Rhode Island, July 2008 - present

MEMBERSHIP IN SOCIETIES

American College of Physicians, 2002-2004
 American College of Chest Physicians Member, 2005 -present
 American Thoracic Society Member, 2005 - present

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. **Casserly B**, O'Mahony E, Timm EG, Haqqie S, Eisele G, Urizar R. Propofol Infusion syndrome: an unusual cause of renal failure. *Am J Kidney Dis.* 2004 Dec;44(6):e98-101.
2. Sanchez T, Skoura A, Wu MT, **Casserly B**, Harrington EO, Hla T. Introduction of Vascular Permeability by the Sphingosine-1-Phosphate Receptor-2 (S1P2R) and its Downstream Effectors ROCK and PTEN. *Arterioscler Thromb Vasc Biol.* 2007 Jun;27(6):1312-8.
3. Klinger J, Murray J, **Casserly B**, Alvarez D, King J, An S, Choudhary G, Owusu-Sarfo A, Warburton R, Harrington E. Rottlerin causes Pulmonary Edema in vivo: A Possible Role for PKCdelta. *J of Appl Phys.* 2007 Dec;103(6):2084-94..
4. Rounds S, Lu Q, Harrington EO, Newton J, **Casserly B**. Pulmonary Endothelial Cell Signaling and Function. *Trans Am Clin Climatol Assoc.* 2008; 119: 155–169
5. Ward N, **Casserly B**, Ayala A. The compensatory anti-inflammatory response. *Clinics in Chest Medicine Clin Chest Med.* 2008 Dec;29(4):617-25, viii. .
6. **Casserly B**, Klinger J. Ambrisentan in the management of pulmonary arterial hypertension. *Drug Design, Development and Therapy.* 2008;2 265–280. 265.
7. **Casserly B**, Donat W. Stabilisation of FEV1 and clinical symptoms in a cystic fibrosis patient following the institution of Infliximab. *Lung.* 2009 May-Jun;187(3):149-52
8. **Casserly B**, Klinger J. Brain Natriuretic Peptide (BNP) in pulmonary arterial hypertension and its therapeutic potential. *Drug Design, Development and Therapy.* (in press)
9. **Casserly B**, Read R and Levy MM. Hemodynamic monitoring in sepsis. *Clinics in Critical Care.* (in press)

BOOK CHAPTERS

1. **Casserly B**, Klinger J. Pulmonary Hypertension in Pregnancy. In: Rosene-Montella and Bourjeily eds. *Pulmonary Problems in Pregnancy: Clinical and Research Aspects.* The Humana Press, Inc. 2009.
2. **Casserly B**, Choudhry G
Cor pulmonale, Ferri's Clinical Advisor: Instant Diagnosis and Treatment 1st edition, Mosby 2009. Also available on MD Consult.
3. **Casserly B**, Choudhry G

Pneumothorax, Ferri's Clinical Advisor Instant Diagnosis and Treatment 1st edition, Mosby 2009. Also available on MD Consult.

4. **Casserly B**, Choudhry G
Tricuspid regurgitation, Ferri's Clinical Advisor Instant Diagnosis and Treatment 1st edition, Mosby 2009. Also available on MD Consult.
5. **Casserly B**, Rounds S
General Approach to Patients with Respiratory Disorders,
Cecil Essentials of Medicine (in press)
6. **Casserly B**, Rounds S
Infectious Diseases of the Lung,
Cecil Essentials of Medicine (in press)
7. **Casserly B**, Rounds S
Essentials in Critical Care Medicine,
Cecil Essentials of Medicine (in press)

PUBLICATIONS SUBMITTED OR IN PREPARATION

1. Gartman E, **Casserly B**, Martin D, Ward N Using Serial Severity Scores to Predict Death in ICU patients: A validation study and review of the literature Current opinion in Critical Care Medicine (under review).
2. Pirraglia PA, **Casserly B**, Velasco R, Nici L, Association of Change in Depression and Anxiety Symptoms with Functional Outcomes in Pulmonary Rehabilitation Patients. Arch Phys Med Rehab (under review).
3. Velasco R, **Casserly B**, Pirraglia PA, Nici L. The Influence of Body Mass Index on Changes in Disease-Specific Quality of Life of Veterans Completing Pulmonary Rehabilitation .Journal of Cardiopulmonary Rehabilitation (under review)
4. Grinnell K, **Casserly B**, Kanthasamy A , Harrington EO. Role of protein tyrosine phosphatase SHP2 in barrier function of pulmonary endothelium. Arterioscler Thromb Vasc Biol (Under review)
5. Read R, **Casserly B**, Stanchina M, Kimble B, Ryan M, Nelson D, Ward NS, Dushay K, Klinger JR, Levy MM. Decremental Respiratory System Compliance Curves: Targeting PEEP in ARDS Patients Journal of Intensive Care Medicine (under review)

ABSTRACTS

1. **Casserly B**. Case of necrotizing granulomatous pneumocystitis carinii Pneumonia Presented at the National American College Physicians meeting in New Orleans April 2004.
2. Pirraglia P, **Casserly B**, Nici L. Change in depression and anxiety symptom burden after pulmonary rehabilitation in veterans with chronic obstructive pulmonary disease Presented at SGIM Directory of Primary Care Internal Medicine, 30th Annual Meeting June 2007
3. **Casserly B**, Pirraglia P, Nici L. Effect of Depression and Anxiety Burden after Pulmonary Rehabilitation in Patients with Chronic Lung Disease. Published in Irish J of Med Sci 2006;175(4)S3:1-68.
4. **Casserly B**, Pirraglia P, Nici L. Improvement in Depression and Anxiety Burden after Pulmonary Rehabilitation in Patients with Chronic Lung Disease. Published in AJRCCM Vol 175 April 2007.
5. **Casserly B**, Pirraglia P, Nici L. Do Improvements in Dyspnea and Exercise Tolerance Correlate with Changes in Depression and Anxiety Indices in COPD Patients after Pulmonary Rehabilitation? Published in AJRCCM Vol 175 April 2007.
6. **Casserly B**, Murray J, Alvarez D, Klinger J, Harrington EO. PKC and Lung Function Published in AJRCCM Vol 175 April 2007.
7. **Casserly B**, Mazer J. Detection of Intrinsic Positive Pressure Ventilation by Auscultation of the Expiratory Valve of the Ventilator and Listening for the Persistence of Airflow at End-Expiration. Published in Chest 2007 Vol 132 No 4 Oct 2007.
8. **Casserly B**, Abu-Hijleh M. Cor triatriatum and unilateral pulmonary venous hypertension resulting in hypoplastic right lung with mediastinal lymphadenopathy and chronic interstitial inflammation. Published in Chest 2007 Vol 132 No 4 Oct 2007.
9. **Casserly B**, Grinnell KL, Lomas-Neira J, Chung C, Ayala A, Rounds S, Klinger JR, Harrington EO. Genetic Disruption of Protein Kinase Cdelta (PKCdelta) Reduces Sepsis-Induced Lung Injury, Published in AJRCCM Vol 175 April 2008, Providence, RI.
10. Mazer JM, **Casserly B**, Harrington EO, Choudhary G. Role of Natriuretic Peptide Receptors in Pulmonary Circulation. Published in AJRCCM Vol 175 April 2008, Providence, RI.
11. Lu Q, Harrington EO, Newton J, **Casserly B**, Warburton R, Rounds S. Receptor Characterization of Adenosine-Mediated Protection against Pulmonary Edema. Published in AJRCCM Vol 175 April 2008, Providence, RI.

12. Grinnell KL, **Casserly B**, Anantharam V, Harrington EO. PKC delta Modulation of Pulmonary Endothelial Barrier Function Via SHP-2 and Src. Published in AJRCCM Vol 175 April 2008, Providence, RI.
13. Velasco RY, Nici L, **Casserly B**, Pirraglia PA. The Influence of Body Mass Index on Changes in Disease-Specific Quality of Life of Veterans Completing Pulmonary Rehabilitation. Published in AJRCCM Vol 175 April 2008, Providence, RI.
14. Pirraglia P, **Casserly B**, Nici L. Association Of Change In Depression And Anxiety Symptoms With Functional Outcomes In Pulmonary Rehabilitation Patients. Presented at SGIM Directory of Primary Care Internal Medicine, 31th Annual Meeting, June 2008
15. **Casserly B**, Grinnell KL, Lomas-Neira J, Chung C-S, Ayala A, Rounds SR, Klinger JR, Harrington EO Genetic Disruption of Protein Kinase Cdelta (PKCdelta) Reduces Sepsis-Induced Lung Injury. Published in Irish J of Med Sci 2008 Vol 177, S434
- 16 **Casserly B**, Grinnell KL, Newton J, Klinger JR, and Harrington EO The Role of Natriuretic Peptide Receptor Type-C in Endothelial Barrier Restoration. Am. J. Respir. Crit. Care Med., Apr 2009; Vol 179: A2334.

INVITED PRESENTATIONS

Case of necrotizing granulomatous pneumocystitis carinii Pneumonia. Poster Presentation, Upstate New York Chapter American College of Physicians Meeting, 2003

Case of necrotizing granulomatous pneumocystitis carinii Pneumonia. Poster Presentation, National American College Physicians Meeting, 2004

CMV Pneumonitis. Department of Pulmonary Medicine Chest Conference, The Warren Alpert Medical School of Brown University, 2006

Macrolides(ketolides) in asthma. Department of Pulmonary Medicine Chest Conference, The Warren Alpert Medical School of Brown University, 2006

Steroids in community-acquired pneumonia. Department of Pulmonary Medicine Chest Conference, The Warren Alpert Medical School of Brown University, 2006

Improvement in Depression and Anxiety Burden after Pulmonary Rehabilitation in Patients with Chronic Lung Disease. Poster presentation, Irish thoracic Society Meeting, 2006

Cor triatriatum and unilateral pulmonary venous hypertension resulting in hypoplastic right lung with mediastinal lymphadenopathy and chronic interstitial inflammation. Chest Meeting, 2007

Detection of Intrinsic Positive Pressure Ventilation by Auscultation of the Expiratory Valve of the Ventilator and Listening for the Persistence of Airflow at End-Expiration. Poster presentation, Chest Meeting, 2007

Gene-targeted disruption of natriuretic peptide receptor-A worsens right ventricular hypertrophy and function in pulmonary artery banded mice. Poster presentation, 13th Annual Research Forum, The Warren Alpert Medical School of Brown University, 2007

Improvement in Depression and Anxiety Burden after Pulmonary Rehabilitation in Patients with Chronic Lung Disease. Poster presentation, 13th Annual Research Forum, The Warren Alpert Medical School of Brown University, 2007

Do Improvements in Dyspnea and Exercise Tolerance Correlate with Changes in Depression and Anxiety Indices in COPD Patients after Pulmonary Rehabilitation? Poster presentation, 13th Annual Research Forum, The Warren Alpert Medical School of Brown University, 2007

PKC and Lung Function. Poster presentation, 13th Annual research forum, The Warren Alpert Medical School of Brown University, 2007

Pulmonary Hypertension in Patients with Chronic Obstructive Pulmonary Disease. Irish Thoracic Society Annual Scientific Meeting, 2007

GI proplaxis in the ICU. Department of Pulmonary Medicine Chest Conference, The Warren Alpert Medical School of Brown University, 2007

Pneumonia in the ICU. Department of Pulmonary Medicine Chest Conference, The Warren Alpert Medical School of Brown University, 2007

Procalcitonin – the pulmonologist’s BNP. Department of Pulmonary Medicine Chest Conference, The Warren Alpert Medical School of Brown University, 2007

An unusual cause of spontaneous recurrent pneumothoraces. American Thoracic Society Meeting, 2007

Gene-targeted disruption of natriuretic peptide receptor-A worsens right ventricular hypertrophy and function in pulmonary artery banded mice. Poster presentation, The Rhode Island Hospital 15th Annual Research Celebration, 2007

Improvement in Depression and Anxiety Burden after Pulmonary Rehabilitation in Patients with Chronic Lung Disease. Poster Presentation, American Thoracic Society Meeting, 2007

Do Improvements in Dyspnea and Exercise Tolerance Correlate with Changes in Depression and Anxiety Indices in COPD Patients after Pulmonary Rehabilitation? Poster Presentation, American Thoracic Society Meeting, 2007

PKC and Lung Function. Poster Presentation, American Thoracic Society Meeting, 2007

Genetic Disruption of Protein Kinase Cdelta (PKCdelta) Reduces Sepsis-Induced Lung Injury. Poster presentation, 14th Annual research forum, The Warren Alpert Medical School of Brown University, 2008

Immunomodulation in cystic fibrosis. Department of Pulmonary Medicine Chest Conference, The Warren Alpert Medical School of Brown University, 2008

Genetic Disruption of Protein Kinase Cdelta (PKCdelta) Reduces Sepsis-Induced Lung Injury. Poster presentation, Rhode Island Research Alliance Symposium, 2008

CARS - Compensatory Anti-inflammatory response system. Department of Pulmonary Medicine Chest Conference, The Warren Alpert Medical School of Brown University, 2008

Genetic Disruption of Protein Kinase Cdelta (PKCdelta) Reduces Sepsis-Induced Lung Injury. Poster Presentation, American Thoracic Society Meeting, 2008

The cardiovascular consequences for the non-sleepy sleep apneic. Medical Grand Rounds, Memorial Hospital, Pawtucket, RI 2009

C-type Natriuretic Peptide Attenuates Vascular Remodeling In Severe Pulmonary Hypertension. Poster Presentation The New England Science Symposium 2009 Harvard University Boston MA

Genetic Disruption of Protein Kinase Cdelta (PKCdelta) Reduces Sepsis-Induced Lung Injury. Kenney Research Day, Memorial Hospital, Pawtucket, RI 2009

The role of NPR-C in pulmonary endothelial barrier function Poster Presentation, American Thoracic Society Meeting, 2009

“Rationing in healthcare – an Irish perspective” American Thoracic Society Meeting, 2009

The role of NPR-C in pulmonary endothelial barrier function Poster Presentation, 15th Annual research forum, The Warren Alpert Medical School of Brown University, 2008

UNIVERSITY TEACHING ROLE

2006 Participated in Pulmonary Physiology Course in Brown University

2007 Participated in the Pulmonary Function Testing Course for Internal Medicine Residents in The Warren Alpert Medical School of Brown University Residency Program

2008 Participated in the Chest Radiology Course for The Warren Alpert Medical School of Brown University Medical Students

2008 Resident academic advisor, Memorial Hospital of Rhode Island, Pawtucket, RI

HOSPITAL TEACHING ROLES

2001 Participated in MRCPi preparatory examination course in the Mater Misericordiae Hospital

2008 Pulmonary Consult Attending Service, Supervision and education of the pulmonary/critical care fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI

2008 Preceptor – Weekly Pulmonary Fellows Clinic – including teaching interpretation of pulmonary function testing, overnight pulse oximetry and full overnight polysomnography

2008 Participate in Thoracic Tumor Board, Memorial Hospital of Rhode Island, Pawtucket, RI