



CURRICULUM VITAE

Stephen P. Brierre, M.D.

Current Title: Associate Professor of Clinical Medicine

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Birthdate and Birthplace:

Children:

Citizenship: United States

Education:

Undergraduate: University of Southwestern Louisiana 1987-1991
Lafayette, Louisiana
Bachelors in General Studies

Medical: Louisiana State University School of Medicine 1993-1997
New Orleans, Louisiana
M.D.

Internship: Earl K Long Medical Center, Baton Rouge, Louisiana, Internal Medicine 1997-1998

Residency: Earl K Long Medical Center 1998-2000
Baton Rouge, Louisiana

Internal Medicine

Fellowships:	Louisiana State University School of Medicine New Orleans, Louisiana Pulmonary/Critical Care	2000-2003
Certifications:	American Board of Internal Medicine • Pulmonary • Critical Care	2002-2022 2005-2025
Medical Licensure:	Louisiana State Licensure	1997-present

Academic, Professional, and Research Appointments:

- Assistant Professor of Clinical Medicine
Louisiana State University School of Medicine
Baton Rouge, Louisiana 2003-2014
- Associate Professor of Clinical Medicine
Louisiana State University School of Medicine
Baton Rouge, Louisiana 2014-present

Memberships in Professional Societies:

Fellow, American College of Chest Physicians 2007-present
Member, Society of Critical Care 2003-present

Awards and Honors:

- Alpha Omega Alpha Medical Honor Society
Louisiana State University School of Medicine
New Orleans, Louisiana
- Best Teaching Resident, Department of Medicine
Louisiana State University School of Medicine
Earl K Long Medical Center
Baton Rouge, Louisiana 1999
- Chief Residents Award, Department of Medicine
Louisiana State University School of Medicine
Earl K Long Medical Center
Baton Rouge, Louisiana 1999
- Best Teaching Resident, Department of Medicine
Louisiana State University School of Medicine
Earl K Long Medical Center
Baton Rouge, Louisiana 2000

- Clinical Pathology Conference Award, Department of Medicine
Louisiana State University School of Medicine
Earl K Long Medical Center
Baton Rouge, Louisiana 2000
- Award for Outstanding Performance in Lung Transplantation
Ochsner Foundation Hospital
New Orleans, Louisiana 2000-2003
- Outstanding Teaching Fellow
Louisiana State University School of Medicine
New Orleans, Louisiana 1999
- Spirit of Caring Award
Ochsner Foundation Hospital
New Orleans, Louisiana 2003
- Award for Teaching Excellence, Department of Medicine
Louisiana State University School of Medicine
New Orleans, Louisiana 2004
- Off Service Teacher of the Year, Department of Emergency Medicine
Louisiana State University School of Medicine
Earl K Long Medical Center
Baton Rouge, Louisiana 2006
- Off Service Teacher of the Year, Department of Emergency Medicine
Louisiana State University School of Medicine
Earl K Long Medical Center
Baton Rouge, Louisiana 2007
- Friend of Nursing Award
Baton Rouge General Hospital
Baton Rouge, Louisiana 2010
- Best Doctors in Louisiana 2013-present
- Alumni Excellence Award
Louisiana State University School of Medicine 2016

TEACHING EXPERIENCE AND RESPONSIBILITIES

Curriculum Development:

- Pulmonary Critical Care Fellowship 2005- 2007

Louisiana State University School of Medicine
Our Lady of the Lake Regional Medical Center
Baton Rouge, Louisiana

Post-Katrina, the Section of Pulmonary/Critical Care of LSUHSC in New Orleans required sites for fellow education due to loss of clinical activity in New Orleans. I facilitated a partnership with Our Lady of the Lake Regional Medical Center to bring fellows to the intensive care units at this site for clinical exposure and education and served as the director of this rotation. We developed a curriculum which took advantage of the unique opportunities at this site, including neurosurgical and trauma critical care (activities which were not previously present within the LSUHSC fellowship).

The lack of clinical rotations post-Katrina and interest expressed by medical students in critical care led to a need for the development of additional critical care rotations. Working with the office of student affairs, I designed rotations and developed curricula for students desiring critical care electives in Baton Rouge.

- Critical Concepts Rotation for Fourth Year Medical Students 2010- present
Louisiana State University School of Medicine
Our Lady of the Lake Regional Medical Center/Baton General Regional Medical Center
Baton Rouge, Louisiana

Critical Concepts is a required 4 week course for fourth year medical students from LSUHSC-NO. During one of the four weeks, students are required to rotate in an Intensive Care Unit. I am responsible for the coordination and education of these students which rotate in Baton Rouge.

- Acute Care Lecture Series 2013- present
Louisiana State University School of Medicine
Our Lady of the Lake Regional Medical Center/Baton General Regional Medical Center
Baton Rouge, Louisiana

A lecture series provided annually to incoming interns and residents at OLOLRMC. This series focuses on acute care of the hospitalized patient.

Creation of Enduring Teaching Materials:

- On Call Pearls for Interns 2002- 2005
Louisiana State University School of Medicine
New Orleans, Louisiana

As part of the Special Topics lecture series given to fourth year students of LSUHSC, I have prepared a guide for the acute management of common problems encountered by interns in hospitalized patients. This guide has been available to all fourth year students in both electronic and hard copies for their reference

- Internal Medicine Review 2004
LSU Internal Medicine Residency Program
Baton Rouge, Louisiana

This study review has been available to students and house officers of all levels since 1992 and serves as both a handbook for internal medicine and study guide for standardized testing. I was responsible for the revision and updating of the pulmonary/critical care section (pp. 55-76) of this material to reflect recent changes in the literature and practices.

Formal Course Responsibilities:

- "An Approach to Shock" 2001
Louisiana State School of Medicine Second year lecture
New Orleans, Louisiana
- "Pulmonary MKSAP Review" 2002-present
Resident Lecture for Internal Medicine Program
Baton Rouge, Louisiana
- "Diagnosis and Management of Shock" 2003-2004
Resident Lecture for Anesthesiology Program
Ochsner Foundation Hospital
New Orleans, Louisiana
- "Case Series in Shock" 2003-2010
Resident Lecture for Internal Medicine Program
Baton Rouge, Louisiana
- "Hemodynamic Endpoints and How to Get There" 2003-2010
Resident Lecture for Internal and Emergency Medicine Residency Programs
Baton Rouge, Louisiana
- "Neoadjuvant Chemotherapy for Stage III Nonsmall Cell Lung Cancer" 2004
Fellow Lecture for Pulmonary Critical Care Program
New Orleans, Louisiana
- "Pulmonary MKSAP Review" 2004-2007
Resident Lecture for Internal Medicine Program
Baton Rouge, Louisiana
- "Myocardial Dysfunction in Sepsis" 2004-2008
Fellow Lecture for Pulmonary Critical Care Fellowship
New Orleans, Louisiana
- "Venothromboembolism-What we have learned in the 21st century" 2004-present
Resident Lecture for Internal Medicine Program
New Orleans, Louisiana

- "Severe Sepsis and Septic Shock: A Critical Analysis of the Surviving Sepsis" Resident Lecture for Internal and Emergency Medicine Residency Programs
Baton Rouge, Louisiana 2005-present
- "Statistics-Diagnostic Tests" Resident Lecture for Internal Medicine Program
Baton Rouge, Louisiana 2006-present
- "Troubleshooting Respiratory Failure and Mechanical Ventilators" Resident Lecture for Internal Medicine Program
Baton Rouge, Louisiana 2003-present

Departmental/Interdisciplinary Teaching Conferences:

Grand Rounds

- "Severe Sepsis: The six pack of Sepsis" 2007
Department of Internal Medicine
New Orleans, Louisiana
- "Thrombophilia: Relevance in the 21st Century" 2009
Department of Internal Medicine
New Orleans, Louisiana

Teaching Awards:

- Best Teaching Resident, Department of Medicine 1999
Louisiana State University School of Medicine
Earl K Long Medical Center
Baton Rouge, Louisiana
- Best Teaching Resident, Department of Medicine 2000
Louisiana State University School of Medicine
Earl K Long Medical Center
Baton Rouge, Louisiana
- Outstanding Teaching Fellow 1999
Louisiana State University School of Medicine
New Orleans, Louisiana
- Award for Teaching Excellence, Department of Medicine 2004
Louisiana State University School of Medicine
New Orleans, Louisiana
- Off Service Teacher of the Year, Department of Emergency Medicine 2006
Louisiana State University School of Medicine
Earl K Long Medical Center
Baton Rouge, Louisiana

- Off Service Teacher of the Year, Department of Emergency Medicine 2007
Louisiana State University School of Medicine
Earl K Long Medical Center
Baton Rouge, Louisiana

RESEARCH AND SCHOLARSHIP

Grants and Contracts:

Funded:

NIH sponsored ARDSnet FACTT. Co-investigator. N01-HR-16150. 08/01/04 - 08/31/05. NIH/NHLBI "Clinical Center in the Clinical Network for the Treatment of Adult Respiratory Distress Syndrome". This project includes an ongoing series of multi-center clinical trials designed to discover effective therapies for the treatment of acute respiratory distress syndrome (ARDS). Principle investigator is Bennett Deboisblanc.

NIH sponsored ARDSnet II. Co-Principal Investigator. N01-HR-56172. 09/30/05-09/29/12. NIH/NHLBI "Clinical Center in the Clinical Network for the Treatment of Adult Respiratory Distress Syndrome". This project includes an ongoing series of multi-center clinical trials designed to discover effective therapies for the treatment of acute respiratory distress syndrome (ARDS).

NIH-NHLBI MENDS II Study. Co-investigator. NCT01739933 – Current. The MENDS II Study: Maximizing the Efficacy of Sedation and Reducing Neurological dysfunction and Mortality in Septic Patients with Acute Respiratory Failure.

Journal Articles (peer reviewed):

Briere SP, W Summer, KI Happel and DW Taylor. Interpretation of Pulmonary Artery Catheter Tracings. *Clinical Pulmonary Medicine* 2002; 9(6):335-341.

Briere SP, R Kumari and BP deBoisblanc. The Endocrine System during Sepsis. *The American Journal of the Medical Sciences* 2004; 328 (4):238-247.

Deboisblanc BP and **SP Brierre**. Common Pitfalls in Pulmonary Artery Catheter Use. *Pulmonary and Critical Care Update 2006*; Volume 20; Lesson 13

Jamison SC, **SP Brierre**, J Sweet, BP deBoisblanc. A Case of Precocious Emphysema and Lung Cancer in a Woman with a History of Hypocomplementemic Urticarial Vasculitis. *Chest* 2008; 133(3):787-789.

Crawford K, Dewitt, A, **Briere S**, et al. Rapid Biophysical Analysis of Host Immune Cell Variations Associated with Sepsis. *Am J Respir Crit Care Med* 2018; 198(2): 280-282.

Journal Articles (contributor through National Heart, Lung, and Blood Institute Acute Respiratory Distress Syndrome Network (NHLBI ARDS Network) :

Calfee CS, et al. Plasma angiopoietin-2 in clinical acute lung injury: prognostic and pathogenetic significance. *CCM* 2012; 40 (7): 1731-7.

Rice TW, et al. Critical illness from 2009 pandemic influenza A virus and bacterial coinfection in the United States. *CCM* 2012; 40 (6): 1487-98.

Kangelaris, KN, et al. The association between a Darc gene polymorphism and clinical outcomes in African American patients with acute lung injury. *Chest* 2012; 141 (5):1160-9.

Needham DM, et al. One year outcomes in patients with acute lung injury randomized to initial trophic or full enteral feeding: prospective follow-up of EDEN randomised trial. *BMJ* 2013 March 19; 346:1532

Hsieh SJ, et al. Prevalence and impact of active and passive cigarette smoking in acute respiratory distress syndrome. *Crit Care Med* 2014; 42 (9): 2058

Kallet RH, et al. The association between physiologic dead-space fraction and mortality in subjects with ARDS enrolled in a prospective multi-center clinical trial. *Respir Care* 2014; 59 (11): 1611

Grissom CK, et al. Fluid Management with a simplified conservative protocol for the acute respiratory distress syndrome. *Crit Care Med* 2015; 43(2): 288

Research Review Committee:

- Steering Committee member for ARDS network, NIH/NHLBI 2004-2012
- Natural History Committee member for ARDS network, NIH/NHLBI 2005-2012
- Statins in ALI/ARDS protocol development committee member 2007-2010

Scientific Exhibits:

American Thoracic Society International Conference, Physiology in Critical Care, *Discordance between CVP and PAOP is not associated with increased Mortality in Patients with ALI/ARDS*. 2007.

American Thoracic Society International Conference, *Nontraumatic, Bilateral Chylothorax Associated with an Undifferentiated Lymphoproliferative Disorder Resolved with Rituximab Treatment*, 2014

American College of Chest Physicians International Conference, *A Case of Capillary Leak Syndrome with Black Tar Heroin*, October 2014.

American Thoracic Society International Conference, Microfluidics: The Feasibility of a Novel Assay for the Rapid Discernment of Sepsis versus Non-Infectious Systemic Inflammatory Response Syndrome, 2015.

Published Abstracts:

Deboisblanc BP, **SP Brierre** and DL Hayden. Discordance of central venous pressure (CVP) vs Pulmonary Artery Occlusion Pressure (PAOP) pressure range assignment in patients with Acute Lung Injury (ALI) or ARDS. *PATS* 2006; 3:A296.

Brierre SP, BP Deboisblanc and DL Hayden. Discordance between CVP and PAOP is not associated with increased mortality in patients with ALI/ARDS. *Accepted as abstract and presentation for ATS 2007.*

Eleti, N and **SP Brierre**. Three Primary Lung Malignancies in One Patient, with Emphasis on Pulmonary Blastoma: A Case Report. *Chest* 2018;154(4); 624A

Seminars, Lectures, and Invited Presentations:

Institutional/Local/Regional (CME lectures denoted with *):

- “Post Operative Care of the Lung Transplant Recipient”
Louisiana Chapter of the International Transplant Nurses Society 2003
- “Hemodynamic Monitoring and Resuscitation”*
Baton Rouge General CME Course 2005-Present
Baton Rouge, Louisiana
- “Alcohol Use Disorder-Potential Implications to ALTA”
NIH/NHLBI sponsored ARDS network steering committee 2006
- “ARDS-What we know and What We Want to Know”*
Baton Rouge General CME Course 2007-present
Baton Rouge, Louisiana
- “Mechanical Ventilation in ARDS”*
Baton Rouge General CME Course 2007-present
Baton Rouge, Louisiana

SERVICE ACTIVITIES

University/Institutional/State Service:

Hospital Committees

- Critical Care Committee, Co Chairman 2005-2012
Earl K Long Hospital
Baton Rouge, Louisiana
- Internal Research Oversight Committee, member 2005-2012
Earl K Long Hospital
Baton Rouge, Louisiana
- Critical Care Committee, chairman 2007-present
Baton Rouge General Hospital

Baton Rouge, Louisiana

- Intensive Care Unit Operations Committee, member
Our Lady of the Lake Regional Medical Center
Baton Rouge, Louisiana 2015-present

University Committees

- Academy for the Advancement of Academic Excellence
LSU School of Medicine
New Orleans, Louisiana 2007-present
- Faculty Assembly Member
LSU School of Medicine
New Orleans, Louisiana 2007-2012
- Strategic Plan Committee
Workgroup on Clinical Centers of Excellence
LSU School of Medicine
New Orleans, Louisiana 2008
- LCME Institutional Self Study Committee
LSU School of Medicine
New Orleans, Louisiana 2009
- Faculty Assembly President Elect
LSU School of Medicine
New Orleans, Louisiana 2009-2010
- Faculty Senate
LSU School of Medicine
New Orleans, Louisiana 2009-2010
- Academy for the Advancement of Academic Excellence
Education Enhancement Grant Committee
LSU School of Medicine
New Orleans, Louisiana 2009-2011
- Faculty Assembly President
LSU School of Medicine
New Orleans, Louisiana 2010-2011
- Faculty Assembly Survey Results committee, co-chair and co-author
LSU School of Medicine
New Orleans, Louisiana 2010-2011
- Clinical Practice Advisory Committee
LSU School of Medicine
New Orleans, Louisiana 2010-2013

STATE COMMITTEE

- Chair of Steering Committee for Louisiana Crisis Standards of Care
Louisiana Department of Hospitals
Baton Rouge, Louisiana 2013-present

Clinical Service:

Inpatient service activities/call

- Internal Medicine Wards Staff LSUHSC at Earl K Long, supervision of Internal Medicine house officers, three (3) months of effort annually, 2003 – 2010.
- Pulmonary/Critical Care Consultative Service Staff for LSUHSC at OLOLRMC, supervision of Internal Medicine house officers and LSUHSC students, three (3) months of effort annually, 2003 – present.
- Critical Care Consultative Service Staff, Baton Rouge General Hospital, supervision of Emergency Medicine house officers, three (3) months of effort annually, 2006 – present.
- Critical Care Consultative Service, Our Lady of the Lake Regional Medical Center, supervision of LSUHSC Pulmonary/Critical Care fellows, two months effort annually, 2005 – 2007.

Clinic coverage

- Pulmonary Clinic, LSUHSC at Earl K Long, supervision of Internal Medicine house officers six (6) months of effort annually, 2003 –2012.
- Baton Rouge Regional Tuberculosis Clinic, supervision of Internal Medicine house officers three (3) months of effort annually, 2003 – 2010.
- LSU Healthcare Network, Baton Rouge, private clinic for consultative service in Pulmonary Medicine, 2005-present
- Our Lady of the Lake/Lake Physicians Group Multidisciplinary ALS Clinic, 2018-present

Administrative Responsibilities:

Departmental

- Faculty Advisor
Internal Medicine Residency
Baton Rouge, Louisiana 2004-2012

Responsibility for semi-annual review of all evaluations of six (6) house officers and review of performance with focus on future goals and expectations of house officers.

- Pulmonary Critical Care Services, Lead Internal Medicine Residency 2005-present

Baton Rouge, Louisiana

Pulmonary/Critical Care services in Baton Rouge has grown from three service providers to nine service providers over the past ten years. During this growth, I have served as a de facto chief. My responsibilities have included contract negotiations on behalf of LSUHSC in New Orleans with local institutions for Pulmonary/Critical Care services, delineation of clinical and educative responsibilities for our faculty, budget analysis and salary determinations for our faculty, scheduling, and operational leadership including budgetary analysis of LSU Healthcare Network operations in Baton Rouge.

Hospital

- Chairman of Physician-Hospital Collaboration Demonstration Project
Steering Committee
Department of Health and Human Services, Centers for Medicare and
Medicaid
Baton Rouge General Medical Center
Baton Rouge, Louisiana
- Chairman of Chest Conference 2007-2011
Baton Rouge General Medical Center
Baton Rouge, Louisiana
- Chief of Critical Care Services 2009-present
Baton Rouge General Medical Center
Baton Rouge, Louisiana

Clinic

- Co-Director of the Our Lady of the Lake/Lake Physicians Group
Multidisciplinary ALS Clinic, 2018-present 2018-present