



CURRICULUM VITAE
James Edward Walker, Jr, MD, PhD, FCCP

Date of Hire: July 1, 2020

Current Title: Assistant Professor of Clinical Medicine

Business Address: Louisiana State University Health Sciences Center
Department of Medicine
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Baton Rouge, LA 70808

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Education:

Undergraduate	Bachelor of Arts, Chemistry; Bachelor of Arts, Physics University of Mississippi, Oxford, MS	1991 – 1996
Graduate	Doctor of Philosophy, Physical Chemistry <i>Summa Cum Laude</i> University of Mississippi, Oxford, MS	1996 – 1998
Medical	Doctor of Medicine University of Mississippi, Jackson, MS	1998 – 2002
Internship	Internal Medicine LSU Health Sciences Center, Baton Rouge, LA	2002 – 2003
Residency	Internal Medicine LSU Health Sciences Center, Baton Rouge, LA	2003 – 2005
Chief Residency	Internal Medicine LSU Health Sciences Center, Baton Rouge, LA	2005 – 2006
Fellowship	Pulmonary Disease & Critical Care Medicine LSU Health Sciences Center, New Orleans, LA	2006 – 2009
Other	Physician Builder; Physician Builder: Analytics Epic University, Verona, WI	2021

Certification: American Board of Internal Medicine (273663)

- Internal Medicine 2005 – 2015
- Pulmonary Disease 2008 – 2028
- Critical Care Medicine 2009 – 2029

Licensure:	Louisiana, 026142	2002 – 2009
	Tennessee, 44862	2009 –
	Mississippi, 21914	2012 –
	Louisiana, 308134	2018 –
	US Drug Enforcement Agency, number on file	2003 –
	LA Controlled Substances License, number on file	2003 –
	National Provider Identifier, 1578581617	2006 –

Professional and Academic Appointments:

Partner	2009 – 2020
Mid-South Pulmonary Specialists, Memphis, TN	
Faculty Instructor	2009 – 2020
UT Health Science Center, Memphis, TN	
Assistant Professor of Clinical Medicine	2020 –
LSU Health Sciences Center, Baton Rouge, LA	

Professional Society Memberships:

American Medical Association, Resident member	2002 – 2004
American College of Physicians	2002 – 2016
Southern Medical Association, Resident member	2004 – 2008
American College of Chest Physicians	2006 –
American Thoracic Society	2006 –
Society of Critical Care Medicine	2006 –

Awards and Honors:

University of Mississippi Honors Program	1991 – 1996
University of Mississippi, Oxford, MS	
CRC Press Freshman Chemistry Achievement Award	1992
University of Mississippi, Oxford, MS	
<i>Phi Kappa Phi</i> Honor Society	1998
University of Mississippi, Oxford MS	
<i>Alpha Omega Alpha</i> Medical Honor Society	2005 –
LSU Health Sciences Center, Baton Rouge, LA	
Fellow of the American College of Chest Physicians	2022

TEACHING EXPERIENCE AND RESPONSIBILITIES

Course Directorship:

OLOL ICU Academic Teaching Service 2021 –
 LSU Department of Medicine, Baton Rouge, LA
Handle administrative duties including curriculum changes and resident feedback. Monthly attendance at meetings with staff nursing and nurse managers to address concerns and advance process improvement. Monthly attendance at ICU-specific FMOLHS quality and safety meetings.

Curriculum Development/Implementation:

Procedural Skills Lab 2020 –
 LSU Department of Medicine, Baton Rouge, LA
Faculty co-lead. Redesigned process with focus on small-group skills teaching. The purpose of this course is to give IM residents hands-on experience with various procedures, including airway management, vascular access, and point-of-care and procedural ultrasound.

Internal Medicine Residency Curriculum Update 2021 –
 LSU Department of Medicine, Baton Rouge, LA
Contribution to the redesign of the 3-year curriculum beginning AY 2021-2022. Actively update ICU and Pulmonary Consult services curricula and resident expectations. Actively manage PCCM rotation residency page.

Educational Committee, PCCM Division 2021 –
 LSU Department of Medicine, Baton Rouge, LA
Co-chair. Formalize relevant topics/curriculum and organized lecture schedule for PCCM faculty.

Formal Course Responsibilities:

Chemistry Lab Graduate Instructor 1996 – 1998
 University of Mississippi, Oxford, MS
Assist in laboratory teaching and experiment performance, including general, organic, and physical chemistry labs. Also responsible for grading assignments.

Departmental/Interdisciplinary Teaching Conferences:

Resident Education Conferences 2020 –
 LSU Department of Medicine, Baton Rouge, LA
Participate in Morning Report case discussions with focus on Pulmonary Disease and Critical Care Medicine. Co-direct and guide discussion during bimonthly PCCM Morning Report. Attend resident and faculty noon conference series.

Lung Nodule Tumor Conference 2020 –
 Our Lady of the Lake Regional Medical Center, Baton Rouge, LA
Regularly participate in weekly case presentations regarding newly discovered thoracic disease suspicious for malignancy and follow-up from previous cases. Active discussion regarding diagnosis and management using multi-disciplinary approach. Specialties include: Thoracic Surgery, Pulmonary Medicine, Oncology, Radiation Oncology, and Radiology.

Departmental Lectures

2021 –

LSU School of Medicine, Branch Campus, Baton Rouge, LA

Recurring "block" lectures to third-year medical students, including: (1) Failure of Oxygenation, (2) Failure of Ventilation, and (3) Airway Infections.

LSU Department of Medicine, Baton Rouge, LA

Baton Rouge General Department of Medicine, Baton Rouge, LA

*Recurring annual lectures to LSU-BR IM residents and BRG IM residents, including: (1) Pleural Diseases, (2) Pulmonary Hypertension, and (3) Common Issues in Pulmonary Medicine.***RESEARCH AND SCHOLARSHIP****Funded Grants and Contracts:**

Title: CV-SQuISH-ED: A Clinical Validation – Solving the Question of Inflammation or Sepsis Hastily in the Emergency Department (NCT04933760)
 Sponsor: Cytovale, Inc
 Role: Sub-Investigator (PI – Hollis O'Neal)

Non-funded Applications:

Title: A Prospective Cohort to Assess Performance of Video Oximetry
 Role: Sub-Investigator (PI – Hollis O'Neal)
 Date: 2022-present

Publications – Peer-reviewed:

1. **JE Walker**, PA Adamson, SR Davis. Comparison of calculated hydrocarbon strain energies using ab initio and composite methods. *Journal of Molecular Structure (Theochem)*. 1999; 487: 145-150. DOI: 10.1016/s0166-1280(99)00149-9
2. SR Davis, KA Nguyen, K Lammertsma, DL Mattern, **JE Walker**. Ab initio study of the thermal isomerization of tricyclo-[3.1.0.0^{2,6}] hexane to (Z,Z)-1,3-cyclohexadiene through the (E,Z)-1,3-cyclohexadiene intermediate. *J Phys Chem A*. 2003; 107(1): 198-203. DOI:10.1021/jp027188o
3. **JE Walker Jr**, TM Brown, TL Hagood, WM Cassidy. Acute hepatitis E infection in a visitor to Louisiana. *South Med J*. 2005; 98(7): 721-722. DOI: 10.1097/01.SMJ.0000157559.93628.25
4. **JE Walker Jr**, AR Odden, S Jeyaseelan, P Zhang, GJ Bagby, S Nelson, K Happel. Ethanol exposure impairs LPS-induced pulmonary LIX expression: Alveolar epithelial cell dysfunction as a consequence of acute intoxication. *Alcohol Clin Exp Res*. 2009; 33(2): 357-365. DOI: 10.1111/j.1530-0277.2008.00844.x
5. VG Valentine, MR Gupta, **JE Walker Jr**, L Seoane, RW Bonvillain, G Lombard, et al. Effect of etiology and timing of respiratory tract infections on the development of bronchiolitis obliterans syndrome. *J Heart Lung Transplant*. 2009; 28(2): 163-169. DOI: 10.1016/j.healun.2008.11.907
6. MR Gupta, VG Valentine, **JE Walker Jr**, GA Lombard, SG LaPlace, L Seoane, et al. Clinical spectrum of gram positive infection in lung transplantation. *Transpl Infect Dis*. 2009; 11(5): 424-431. DOI: 10.1111/j.1399-3062.2009.00422.x

Books:

James E. Walker, Jr. *Ab Initio Study of the Thermal Isomerization of Compounds Undergoing Pericyclic Reactions.* Oxford, MS. University Press, 1998.

Published Abstracts:

1. CJ Smith, **JE Walker Jr**, DW Spell. Myelodysplasia as a risk factor for *Vibrio vulnificus* septicemia. *Blood*. 2003; 102(11): A 5054.
2. DW Spell, **JE Walker**, CL Bueno. Hypercalcemia and Richter syndrome of CLL. *J Clin Oncol*, 2004 ASCO Annual Meeting Proceedings. 2004; 22(14S): 6729. DOI: 10.1200/jco.2004.22.90140.6729
3. **JE Walker**, VG Valentine, RW Bonvillain, GA Lombard, SG LaPlace, DE Taylor. Clinical spectrum of gram positive infections in lung transplantation. *J Heart Lung Transplant*. 2007; 26(2): S165-S166. DOI: 10.1016/j.healun.2006.11.314
4. **JE Walker**, VG Valentine, GA Lombard, SG LaPlace, DE Taylor. Clinical spectrum of gram positive infections in lung transplantation. *Am J Respir Crit Care Med*. 2007; 175: A374. PMID: 17633759
5. **JE Walker**, KJ McAnally, SG LaPlace, GA Lombard, VG Valentine. Clinical spectrum of fungal infections in lung transplantation. *Am J Respir Crit Care Med*. 2007; 175: A373. PMID: 17633759
6. VG Valentine, MR Gupta, **JE Walker**, GA Lombard, D Weill, GS Dhillon. Effect of etiology and timing of respiratory tract infections on the development of bronchiolitis obliterans syndrome after lung transplantation. *J Heart Lung Transplant*. 2008; 27(2): S99. DOI: 10.1016/j.healun.2007.11.116

Scientific Exhibits:

1. **JE Walker**, VG Valentine, RW Bonvillain, GA Lombard, SG LaPlace, DE Taylor. Clinical spectrum of gram positive infections in lung transplantation. International Conference of the American Thoracic Society 2007, San Francisco, CA.
2. **JE Walker**, KA McAnally, SG LaPlace, GA Lombard, VG Valentine. Clinical spectrum of fungal infections in lung transplantation. International Conference of the American Thoracic Society 2007, San Francisco, CA.
3. **JE Walker Jr**, AR Odden, S Jeyaseelan, P Zhang, GJ Bagby, S Nelson, K Happel. Ethanol exposure impairs LPS-induced pulmonary LIX expressions: Alveolar epithelial cell dysfunction as a consequence of acute intoxication. Joint Research Society on Alcoholism / International Society for Biomedical Research on Alcoholism Scientific Conference 2008, Washington, DC.
4. A Hosse, L Teague, R Landry, S Landaiche, **J Walker**, T Jagneaux, C Thomas. Feasibility and impact of an integrated physician mobility scripting at admission. LSU and FMOLHS Joint Quality & Research Symposium 2020, Our Lady of the Lake Medical Center, Baton Rouge, LA.

SERVICE AND ADMINISTRATION**University and Institutional Service:**

LSUHSC (Baton Rouge campus) committees

Clinical Competency Committee 2021 –
 LSU Department of Medicine, Baton Rouge, LA
Participate in CCC as the Pulmonary & Critical Care Medicine faculty liaison. Complete summative resident evaluations from all PCCM faculty for ICU and Pulmonary Consult rotations as part of that role.

Steering Committee, PCCM Division 2022 –
 LSU Department of Medicine, Baton Rouge, LA
Assist with development of overall division mission statement. Intermittently meet to plan for future direction of group regarding practice, scholarship, expansion, etc.

Hospital committees

Medical Executive Committee 2021 –
 KPC Promise Hospital, Baton Rouge, LA
Handle standard MEC administrative tasks including approval of new formulary items and therapeutic protocols, approval/disciplinary action of medical staff, review of quality and safety data.

Critical Care Service Line 2021 –
 Our Lady of the Lake Regional Medical Center, Baton Rouge, LA
Monthly meeting with hospital administration and other clinical leaders within Critical Care service lines. Discuss and resolve issues including process, quality and safety, etc.

Special assignments

Quality Improvement, Trauma/Neuro Critical Care Unit 2020 – 2021
 Our Lady of the Lake Regional Medical Center, Baton Rouge, LA
Co-authored new daily rounding checklist-style protocol using evidence-based metrics. Also implemented REDCap database to monitor adherence and track improvement over time. Rounding protocol has since been implemented in all other hospital ICUs.

Problem-Oriented Charting Implementation 2020 –
 Our Lady of the Lake, Baton Rouge, LA
Co-author and design new problem-oriented note templates within Epic for use by LSU-BR IM residents and Branch Campus and visiting medical students. Includes templates for both general medicine and ICU rotations. Minimizes variability and “note bloat” while maximizing efficiency. Should move into production beginning July 2022.

Physician Builder, FMOLHS 2021 –
 Our Lady of the Lake Regional Medical Center, Baton Rouge, LA
Assist with new implementations within Epic, including development of order sets, note templates, etc.

Clinical Responsibilities (3 most recent academic years):

In-patient Clinical Service 2020 –
 LSU Department of Medicine, Baton Rouge, LA
 Baton Rouge General Department of Medicine, Baton Rouge, LA

Perform ~28 weeks of clinical service per academic year. Teaching service is divided between ICU and Pulmonary Consult services at Our Lady of the Lake Regional Medical Center and ICU services at Baton Rouge General Medical Center. Non-teaching service is confined to management of long-term acute care patients at KPC Promise Hospital. Night call (simultaneous ICU coverage for both Our Lady of the Lake and Baton Rouge General) averages 42 nights per academic year.

Out-patient Clinical Service

2020 –

LSU Department of Medicine, Baton Rouge, LA

Volunteer weekly attendance in the LSU Pulmonary Clinic. The primary goal is to educate the residents and students on ambulatory presentations and out-patient management of pulmonary diseases.

Work Relative Value Units generated

2020 – 2021 academic year (Jul – Jun): 8421

2021 – 2022 academic year (Jul – Apr): 6275 (on track for 7530)

Administrative Responsibilities:

LSUHSC (Baton Rouge Campus)

Faculty Mentor

2021 –

LSU Department of Medicine, Baton Rouge, LA

Informal semi-annual meeting with assigned categorical residents to periodically assess professional and personal well-being, identify specific concerns, assist with research interests, guide toward future goals.

Pulmonary Function Testing Interpretation

2022 –

LSU Healthcare Network, Baton Rouge, LA

Formally interpret pulmonary function tests through LSU Healthcare Network in association with Baton Rouge General Medical Center.

LSU Internal Medicine Residency Website Oversight

2022 –

LSU Department of Medicine, Baton Rouge, LA

Assist with upkeep and minor updates to the LSU-BR departmental website.

Hospital

Medical Director, Critical Care Services

2021 –

KPC Promise Hospital, Baton Rouge, LA

Evaluate and approve all patients with respiratory pathology and/or need for mechanical ventilation, review and update pertinent protocols, develop new protocols, attend scheduled administrative meetings.