

ZACHARY KAHLER MD, MS
Director of Clinical Practice
Greenville Health System Department of Emergency Medicine
CURRICULUM VITAE

EDUCATION

POSTDOCTORAL	Masters of Science: Clinical Research Emergency Medicine Research Fellow Indiana University School of Medicine Indianapolis, IN 2013-2015
	Emergency Medicine Residency Carolinas Medical Center Charlotte, NC 2009-2012
GRADUATE	Medical Doctorate University of Arizona College of Medicine Tucson, AZ 2005-2009
UNDERGRADUATE	Bachelor of Science: Biological Sciences Minors: Chemistry, Biomedical Engineering Phi Kappa Phi, Dean's List, University Honors Carnegie Mellon University Pittsburgh, PA 2001-2005

FURTHER EDUCATION

Indiana University School of Medicine		
Masters of Science: Clinical Research, focuses on biostatistics, health economics		2013-15

APPOINTMENTS

ACADEMIC

University of South Carolina Greenville School of Medicine		2015-
Assistant Clinical Professor of Emergency Medicine		
Indiana University School of Medicine		
Visiting Assistant Professor of Emergency Medicine		2013-15

HOSPITAL

Greenville Health System, Greenville, SC Director of Clinical Practice / Staff Physician Emergency Medicine	2015-
Indiana University Health, Indianapolis, IN Staff Physician Emergency Medicine	2013-15
Shelby Emergency Associates, Charlotte, NC Full time attending Physician	2012-13

LICENSURE, CERTIFICATION, SPECIALTY BOARD STATUS

South Carolina License	38016	2015-
North Carolina License	2012-01130	2012-15
Indiana State License	1059248A	2013-15
American Board of Emergency Medicine (Diplomat) Fellow, American College of Emergency Physicians		2012- 2015-

PROFESSIONAL ORGANIZATION MEMBERSHIPS

South Carolina Medical Society	2015-
American College of Emergency Physicians	2010-
Society of Academic Emergency Medicine (SAEM)	2010-
North Carolina Medical Society	2009-12
Emergency Medical Residents Association	2009-12
Indiana Medical Society	2013-15

PROFESSIONAL HONORS AND AWARDS:

Phi Kappa Phi Society	2005-
Alpha Omega Alpha Society	2008-
Outstanding Contribution to Medical Student Education, IUSM	2014-15

PROFESSIONAL DEVELOPMENT

Research Boot Camp	2013-15
Emergency Medicine – Jumpstart In Academic Medicine Curriculum	2013-15
Scientific Writing Seminar - Dr. George Gopen	2014

TEACHING

TEACHING ASSIGNMENTS

INDIANA UNIVERSITY SCHOOL OF MEDICINE

Course #	Short Title	Format	Role	Term	Enrollment
STAT X602D	Evidence-Based Medicine		Discussion	Instructor	2013-15 8^
93ZE690	Emergency Medicine Clerkship	Clinical	Instructor	2013-15	90^

^ estimated number of learners as the exact number fluctuates from year to year.

POSTGRADUATE

Clinical	Emergency Medicine Rotation		Clinical	Instructor	2013-60^
Simulation	Emergency Medicine Simulation	Clinical	Instructor	2013-15	30^
Procedure	Emergency Medicine Cadaver Procedure Lab		Instructor	2014-15	20^

Clinical instructor for both Emergency Med and off-service residents

^ estimated number of learners as the exact number fluctuates from year to year.

MENTORING

Carolinas Medical Center Medical Student Advisor

Sarah Rackers, MD	2012
Alex Rhea, MD	2012

IU School of Medicine Medical Students Advisor

William-May Stubblefield	Research Project Mentor	2013-15
--------------------------	-------------------------	---------

TEACHING ADMINISTRATION AND CURRICULUM DEVELOPMENT

Interview Faculty, GHS
Emergency Medicine Core Faculty Interview Team Member 2016-

ICU Rotation Lead, GHS 2015-
Emergency Department team lead for Medical ICU curriculum and rotation development.

Eskenazi Health System Super User / LEAN Project Development 2014-15
Assisted with the transition to a new hospital, ED LEAN project with goal of improving throughput.

Carolinas Medical Center Super User 2012-13
Developed plan and learning materials to transition five facilities from paper charting to electronic medical records, on-ground support for go-live transitions

INVITED PRESENTATIONS-TEACHING AND SERVICE

NATIONAL

Northwest Seminars	2016
Demystifying Pulmonary Embolism	
EM Myths That Will Change Your Practice	
Evidence Based Medicine Treatment of Low Back Pain	
Frequent Flyers, the Opioid Addicted, And You	
I Never Thought I Would Discharge A Pulmonary Embolism From the ED!	
Billing 101: How to Maximize your Charting And Bill Accurately	
Safely Discharging Low Risk Chest Pain	

UNIVERSITY OF SOUTH CAROLINA – GREENVILLE

Emergency Medicine Clerkship	
Altered Mental Status	2016-
IPM-1 Practice of Medicine alternate teacher	2016

INDIANA UNIVERSITY

Emergency Medicine Residency:

Low-risk DVT and PE – who can I send home?	2014
Private Practice – The Good, The Bad, and The Ugly	2014
Wound care	2014
Simulation Center –teamwork scenarios	2014

CAROLINAS MEDICAL CENTER

Emergency Medicine Residency:

Low back pain: Evidenced Based Medicine options	2009
Orthopedics: Foot and ankle	2010
Laceration repair: A quick primer	2010
Basis of sedation	2010
Central venous catheters – How, Why and Where	2010
Usage and pharmacokinetics of Esmolol	2010
Toxicologic basis of Teflon™	2011
EM Myths that change your practice I	2011
EM Myths that change your practice II	2012
Metfomin & Lactic Acidosis	2012

RESEARCH PROJECTS

KLOT Clinic – Director & Co-PI

2013-15

Outpatient venous thromboembolism clinic run by emergency physicians, treating low-risk DVT and PE patients with target-specific anticoagulants.

Clinical Trial, iNOPE – Inhaled Nitric Oxide for Pulmonary Embolism

2013-15

One of four physicians enrolling patients for this double blind placebo study of Nitric Oxide as an additional treatment for Pulmonary Embolism NCT01939301

Clinical Trial, RACE – Rapid Administration of Carnitine

2013-2015

Enrolled and performed examinations for this double blind placebo study of carnitine in sepsis.

STOP Program Efficacy

2014-15

Ongoing administrative effort to curtail ED recidivism by decreasing visits by frequent opiate users.

INVITED PRESENTATIONS – RESEARCH

NATIONAL

Kahler ZP, Musey PI, Finnell JT, Johnson AN, Saupp, CM, Strachan CM, Shufflebarger CS. *Implementing a “No Opioid” Policy In The Emergency Department*. Presented at American Medical Informatics Association, Nov 2015.

Kline JA, **Kahler ZP**, Beam DM. *Outpatient Treatment of Acute Venous Thromboembolism with Rivaroxaban*. Poster. Presented at American Thrombosis Society, May 2015.

Kahler ZP, Johnson AM, Strachan CM, Shufflebarger CS, Musey, PI. *Effect Of A “No Opioid” Policy on Recidivism To The Emergency Department*. Oral Presentation. Presented at the Society For Academic Emergency Medicine, San Diego CA, May 2015.

Kahler ZP, Kline JA. *Physician Opinions On Standardizing The D-dimer Assay*. Poster. Presented at the Society For Academic Emergency Medicine, San Diego CA, May 2015.

Beam DM, **Kahler ZP**, Kline JA. *Outpatient Treatment of Acute VTE With Target Specific Anticoagulants*. Poster. Presented at the Society of Academic Emergency Medicine, San Diego CA, May 2015.

Kahler ZP, Beam DM, Kline JA. *Home Treatment with Target Specific Anticoagulants (TSAs) for Patients with Venous Thromboembolism (VTE) Diagnosed in the Emergency Department*. Didactic Session. Presented at the Society of Academic Emergency Medicine, Dallas TX, May 2014.

Kahler, ZP. Beam DM, Kline JA. *Immediate discharge of low-risk venous thromboembolism: a cost and safety analysis*. Presented at the Society of American Emergency Medicine, Dallas, TX, May 2014

Kahler, ZP. Beam DM, Kline JA. *Physician Attitudes Toward Immediate Discharge Of Low-Risk Pulmonary Embolism Patients From The Emergency Department*. Presented at the Scientific Assembly of American College of Emergency Physicians, Chicago, IL, Oct 2014

Kahler, ZP. Beam DM, Kline JA. *Immediate discharge of low-risk venous thromboembolism: a cost and safety analysis.* Presented at the Scientific Assembly of American College of Emergency Physicians, Chicago, IL, Oct 2014

Weekes, A and **Kahler ZP.** *Comparison of Baseline Aortic Velocity Profiles and Response to Weight-Based Volume Loading in Fasting Subjects: A Randomized, Prospective Double-Blinded Trial* Presented at the annual meeting of the Society of Academic Emergency Medicine in Dallas, Texas, May 2014.

Pries, M; **Kahler, ZP** *Pediatric Emergency Medicine Core Education Modules (PEMCEM) utility in asynchronous learning.* Presented at the Society of American Emergency Medicine in Atlanta, GA May, 2012.

SERVICE

LOCAL

Director of Clinical Practice, GHSEM Responsible for implementing evidence-based medicine practice for department of 60+ EM physicians.	2016
Hospital Administrative Throughput Committee Emergency Department co-chair, hospital committee	2015
Director, KLOT Clinic Managed treatment of 200+ active VTE patients with new factor Xa inhibitors	2013-15
NATIONAL	
Emergency Medical Residents Association Editor of National Magazine	2009-2012
American Journal of Cardiology Ad Hoc Reviewer	2014-
Annals of Emergency Medicine Ad Hoc Reviewer	2014-
American Medical Informatics Association Ad Hoc Reviewer	2015-

PUBLICATIONS

PEER REVIEWED RESEARCH PUBLICATIONS

Kline JA, **Kahler ZP**, Beam DM. *Patient-centered outcomes from an outpatient protocol to treat low risk venous thromboembolism with monotherapy oral anticoagulation*. Submitted to Annals of American Thoracic Society, 2015.

Kahler ZP, Beam DM, Kline JA. *Cost of treating venous thromboembolism with heparin and warfarin versus home treatment with rivaroxaban*. Acad Emerg Med. 2015 Jun 25. doi: 10.1111/acem.12713

Beam DM, **Kahler ZP**, Kline JA. *Immediate discharge and home treatment of low risk venous thromboembolism diagnosed in two U.S. emergency departments with rivaroxaban: A one-year preplanned analysis*. Acad Emerg Med. 2015 Jun 25. doi: 10.1111/acem.12711

Kahler ZP, Kline JA. *Standardizing the D-dimer assay: Proposing the D-Dimer International Managed Ratio*. Clin Chem. 2015 May;61(5):776-8. doi: 10.1373/clinchem.2015.238394

Weekes AJ, Lewis MR, **Kahler ZP**, Stader DE, Quirke DP, Norton HJ, Almond C, Middleton D, and Tayal VS. *The effect of weight-based volume loading on the inferior vena cava in fasting subjects: a prospective randomized double-blinded trial*. Acad Emerg Med. 2012 Aug;19(8):901-7. doi: 10.1111/j.1553-2712.2012.01416.x

Weekes AJ, Lewis MR, **Kahler ZP**, Stader DE, Almond C, Middleton D, and Tayal VS. *Echocardiographic Cardiac Output Measurements Taken Before and After Fluid Loading in Healthy Subjects*. Submitted to Annals of EM, 2015.

TEACHING PUBLICATIONS

Multimedia

Carolinas Core Concepts **Kahler ZP**. Creator, Chief Editor 2011-12
Conceptualized, created, and ran a database of EM “pearls” based off the CMC daily lectures.

Magazines

EMERGENCY MEDICAL RESIDENTS ASSOCIATION Magazine 2009-12
Editor. Monthly editing of articles for this national magazine.

SAEM Resident Newsletter 2011
Practice what you Preach

Books

Book chapter

Oncologic Emergency Medicine Principles and Practice;
Kahler, ZP and Kline, JA. *Venous Thromboembolism in Cancer*. Springer 2014 ed. Yeung, SJ;