

Tyler J. Fulks, M.D.

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Education

Indiana University School of Medicine, Indianapolis, IN <i>Fellow: Out-of-Hospital Care (EMS)</i>	07-2019 - 06-2020
Southern Illinois University School of Medicine, Springfield, IL <i>Resident Physician: Emergency Medicine</i>	06-2016 - 06-2019
Southern Illinois University School of Medicine, Springfield, IL <i>Doctor of Medicine</i>	08-2012 - 05-2016
University of Missouri, Columbia, MO <i>Bachelor of Science: Biochemistry (magna cum laude)</i> <i>Minor: Biology</i>	08-2008 - 05-2012

Academic Appointments

Assistant Professor <i>Department of Emergency Medicine, Southern Illinois University School of Medicine, Springfield, IL</i>	2020-Present
Clinical Faculty <i>Department of Emergency Medicine, Indiana University School of Medicine, Indianapolis, IN</i>	2019-2020
Chief Resident <i>Emergency Medicine Residency Program, Southern Illinois University School of Medicine, Springfield, IL</i>	2018-2019
Critical Care Emergency Medical Transport Program Faculty Member <i>Memorial Center for Learning and Innovation, Springfield, IL</i>	2017-2019

Professional Experience

Deputy Medical Director <i>Indianapolis EMS, Indianapolis, IN</i> <i>Noblesville Fire Department EMS Division, Noblesville, IN</i>	2019-2020
Emergency Medical Specialist <i>Memorial Medical Center-Emergency Department, Springfield, IL</i>	2008-2012

Honors and Awards

Excellence in Teaching Award <i>Emergency Medicine Residency Program, Southern Illinois University School of Medicine, Springfield, IL</i>	2019
Excellence in Teaching Award <i>Emergency Medicine Residency Program, Southern Illinois University School of Medicine, Springfield, IL</i>	2018
First Place, Resident Poster Presentation <i>Improving Emergency Department Initial Patient Assessments Through Multidisciplinary Simulation</i> <i>SAEM Great Plains Regional Meeting, Columbia, MO</i>	October 7, 2017
Mission in Motion Award <i>Physician Recognition Program, St. John's Hospital, Springfield, IL</i>	July 2017

Professional Development

Lean Six Sigma White Belt Workshop <i>Memorial Center for Learning and Innovation, Springfield, IL</i>	July 2016
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Committee Assignments and Administrative Services

House Staff Board of Directors Member <i>Southern Illinois University School of Medicine, Springfield, IL</i>	2018-2019
Graduate Medical Education Committee Member <i>Southern Illinois University School of Medicine, Springfield, IL</i>	2017-2019

Invited Presentations

Under Pressure: Choosing the best vasopressor for your patient needs <i>LifeLine Emergency and Critical Care Conference, Noblesville, IN</i>	March 6, 2020
101 Ways to Get Hurt: Sports Injuries Edition <i>2019 Cutting Edge EMS Conference, Memorial Center for Learning and Innovation, Springfield, IL</i>	April 9, 2019
Disaster Management <i>Grand Rounds Presentation, SIU School of Medicine, Springfield, IL</i>	November 29, 2018
Introduction to the FAST Exam <i>Mid-America Emergency Symposium, Memorial Center for Learning and Innovation, Springfield, IL</i>	September 7, 2018
Introduction to Urban Search and Rescue <i>Disaster Medicine Day, SIU School of Medicine, Springfield, IL</i>	April 19, 2018
Cutting Cost EMS: Optimizing Care in a Budget Conscious World <i>2018 Cutting Edge EMS Conference, Memorial Center for Learning and Innovation, Springfield, IL</i>	April 10, 2018
Multidisciplinary Simulation in Emergency Nursing Orientation to Improve Patient Assessments <i>The International Meeting on Simulation in Healthcare General Session Course Presenter, Los Angeles, CA</i>	January 16, 2018

Mass Casualty Incidents <i>Grand Rounds Presentation, SIU School of Medicine, Springfield, IL</i>	January 11, 2018
Prehospital STEMI <i>Chatham Fire Department, Chatham, IL</i>	September 18, 2017
Sepsis – Is that just a fancy word for sick? <i>2017 Cutting Edge EMS Conference, Memorial Center for Learning and Innovation, Springfield, IL</i>	April 11, 2017
Reusable Ultrasound Pericardiocentesis Model with Anatomical Landmarks <i>The International Meeting on Simulation in Healthcare Spectrum of Ideas Presenter, Orlando, FL</i>	January 29, 2017

Lectures

Electrical Injury <i>Resident Case Conference, SIU School of Medicine, Springfield, IL</i>	February 21, 2019
Endocrine Emergencies <i>EMS Continuing Education, Memorial Center for Learning and Innovation, Springfield, IL</i>	October 9, 2018
Direct Oral Anticoagulant Reversal <i>Resident Case Conference, SIU School of Medicine, Springfield, IL</i>	August 30, 2018
Herpes Zoster Ophthalmicus <i>Resident Case Conference, SIU School of Medicine, Springfield, IL</i>	June 28, 2018
Carbon Monoxide Exposure <i>Resident Case Conference, SIU School of Medicine, Springfield, IL</i>	June 7, 2018
Factitious Disorder <i>Resident Case Conference, SIU School of Medicine, Springfield, IL</i>	April 26, 2018
Bupivacaine Toxicity <i>Resident Case Conference, SIU School of Medicine, Springfield, IL</i>	October 5, 2017
Serum Sickness Like Reaction <i>Resident Case Conference, SIU School of Medicine, Springfield, IL</i>	October 5, 2017
Flecainide Overdose <i>Resident Case Conference, SIU School of Medicine, Springfield, IL</i>	September 7, 2017
Myxedema Coma <i>Resident Case Conference, SIU School of Medicine, Springfield, IL</i>	July 6, 2017
Lateral Canthotomy <i>Resident Case Conference, SIU School of Medicine, Springfield, IL</i>	June 8, 2017
Ramsay Hunt Syndrome <i>Resident Case Conference, SIU School of Medicine, Springfield, IL</i>	March 9, 2017
Practice Bulletin: West Nile Virus <i>Resident Case Conference, SIU School of Medicine, Springfield, IL</i>	September 29, 2016

ST Elevation in aVR

Resident Case Conference, SIU School of Medicine, Springfield, IL

September 8, 2016

Research Experience & Publications

Factors Predicting Misidentification of Acute Ischemic Stroke & Large Vessel Occlusion by Paramedics May 28, 2020
 Poster Presentation: Indiana University School of Medicine Dept of Emergency Medicine Scholar's Day, Indianapolis, IN
 Manuscript in Preparation

Improving Emergency Dept Initial Patient Assessments Through Multidisciplinary Simulation October 7, 2017
 Poster Presentation: SAEM Great Plains Regional Meeting, Columbia, MO
 Manuscript in Preparation

Ultrasound Guided Pericardiocentesis Simulation Model October 15, 2019
 dela Cruz J, Fulks T, Baker M, Kegg J, Austin R, Jain S, Boehler M, Kim S, Jaeger C. A Low-Cost, Reusable Ultrasound Pericardiocentesis Simulation Model. *JETem* 2019 Oct 15;4(4)1-7.

Bedside Ultrasonography For The Detection of Apnea During Simulated Procedural Sedation September 6, 2014
 Abstract Presentation: 2014 SAEM Great Plains Regional Meeting, Kansas City, MO
 Marshalla J, Fulks T, Hawkins M, et al. Bedside Ultrasonography For The Detection Of Apnea During Simulated Procedural Sedation [abstract]. *SAEM Great Plains* 2014; 2014 Sep 6; Kansas City, MO. Abstract nr 8.

Educational Activities

Audit and Review 2019-2020
 Indiana University School of Medicine, Department of Emergency Medicine, Division of EMS, Indianapolis, IN
 Developed and presented monthly prehospital run review lectures for providers in multiple agencies including Indianapolis EMS, Indianapolis Fire Department, Wayne Township Fire Department, and Noblesville Fire Department

Disaster Medicine Tabletop Exercise October 3, 2019
 Department of Emergency Medicine, Indiana University School of Medicine, Indianapolis, IN
 Led emergency medicine residents through tabletop exercise managing emergency department triage, treatment, and patient flow in a disaster scenario

Care Under Fire October 2, 2019
 Indianapolis Metropolitan Police Department, Indianapolis, IN
 Hands on learning session for IMPD SWAT Officers emphasizing techniques in wound packing, tourniquet application, and airway manipulation in the hot zone

Resident Disaster Day July 2, 2019
 Department of Emergency Medicine, Indiana University School of Medicine, Indianapolis, IN
 Taught emergency medicine residents rapid triage techniques for patient sorting in the prehospital setting via high fidelity simulation of multiple mass casualty scenarios

Simulated Milestone Assessment in Residency May 30, 2019
 SIU Emergency Medicine Residency Program, Springfield, IL
 Designed and coordinated mass casualty incident response simulation training event for emergency medicine residents with focus on scene response and out-of-hospital trauma resuscitation care

SonoGames 2019 Participant May 17, 2019
 SAEM19 Conference, Las Vegas, NV
 Selected to compete in nation ultrasound competition for emergency medicine residents alongside two additional PGY-3 residents from SIU Emergency Medicine

Medical Student SimWars Coach <i>Southern Illinois University School of Medicine, Springfield, IL</i> Trained second through fourth year EM-interested medical students in diagnosis, workup, and management of numerous emergency medical complaints in preparation for regional SimWars competitions	2016-2019
EMS Subspecialty Track Development <i>SIU Emergency Medicine Residency Program, Springfield, IL</i> Designed longitudinal subspecialty track for residents interested in pursuing specialized training in EMS	2018-2019
SIU EM Wars <i>SIU Emergency Medicine Residency Program, Springfield, IL</i> Designed and coordinated annual Wilderness Medicine simulation event for residents and medical students	2018
National Guard Advanced Trauma Training Course Instructor <i>Memorial Center for Learning and Innovation, Springfield, IL</i> Clinical instructor for National Guard Soldiers learning advanced trauma treatment techniques on manikins and cadavers in all-day procedural skills lab	July 11, 2018
Helicopter EMS Resident Elective <i>SIU Emergency Medicine Residency Program, Springfield, IL</i> Designed and constructed two-week resident elective for the SIU Emergency Medicine resident elective catalogue Elective focuses on intricacies and unique challenges of aero-medical transport with included H-EMS ride-time	2017
Ultrasound Interest Group <i>Southern Illinois University School of Medicine, Springfield, IL</i> Created an interest group with Emergency Medicine co-residents to teach ultrasound skillset to SIU medical students Monthly didactics run by SIU EM residents with lectures, demonstrations, and hands-on practice	2016-2017
EM Readiness for Medical Students <i>Southern Illinois University School of Medicine, Springfield, IL</i> Instructed fourth year EM-bound medical students in various preparatory labs including advanced airway, central line insertion, and simulated cases	March 27-31, 2017
2016 Memorial EMS Olympics <i>Memorial Center for Learning and Innovation, Springfield, IL</i> Competition judge, manned station testing Fire and EMS providers' ability to properly administer the correct dose of intramuscular epinephrine for anaphylaxis	November 8, 2016
SIU School of Medicine Emergency Medicine Interest Group Member <i>Southern Illinois University School of Medicine, Springfield, IL</i> President 2015-2016, Community Outreach Coordinator 2014-2015	2013-2016

Clinical Improvement Activities

Active Shooter / Active Assailant 911 Dispatch Response Matrix <i>Fire/EMS Communications, Indianapolis Fire Department, Marion County, IN</i> Defined and developed criteria for Fire/EMS response to active shooter and active assailant events in Marion Co.	June 2020
Testing Public Safety Personnel for COVID-19 <i>Emergency Operations Center, Marion County, IN</i> Developed clinical guidelines and triage protocol for COVID-19 testing of public safety officers in Central Indiana	March-May 2020
Difficult Airway Cart <i>Memorial Medical Center Emergency Department, Springfield, IL</i> Restructured equipment and supplies housed in difficult airway cart for airway emergencies	2017-2019

Conferences Attended

Society of Academic Emergency Medicine Annual Meeting, Las Vegas, NV <i>SonoGames Participant</i>	May 14-17, 2019
The Cutting Edge Conference, Springfield, IL <i>Invited Lecturer</i>	April 9, 2019
American College of Emergency Physicians Scientific Assembly, San Diego, CA	October 1-4, 2018
Mid-America Emergency Symposium, Springfield, IL <i>Invited Lecturer</i>	September 7, 2018
The Cutting Edge Conference, Springfield, IL <i>Invited Lecturer</i>	April 10, 2018
The International Meeting on Simulation in Healthcare (IMSH), Los Angeles, CA <i>General Session Course Presenter</i>	January 13-18, 2018
SAEM Great Plains Regional Meeting, Columbia, MO <i>Resident Poster Presentation</i>	October 7, 2017
The Cutting Edge Conference, Springfield, IL <i>Invited Lecturer</i>	April 11, 2017
Illinois College of Emergency Physicians Downstate Meeting, Peoria, IL	February 2, 2017
The International Meeting on Simulation in Healthcare (IMSH), Orlando, FL <i>Spectrum of Ideas Presenter</i>	January 28-31, 2017
SAEM Great Plains Regional Meeting, Iowa City, IA	September 24, 2016
SAEM Great Plains Regional Meeting, Kansas City, MO <i>SimWars medical student competitor, third place</i>	September 6, 2014

Professional Memberships

National Association of EMS Physicians	2019-Present
American College of Emergency Physicians <i>Emergency Medical Services-Prehospital Care Section</i>	2015-Present
Emergency Medicine Residents Association	2015-Present
Illinois State Medical Society	2015-Present
American Academy of Emergency Medicine	2014-Present
Society for Academic Emergency Medicine	2014-Present

Hobbies/Interests

Go-kart racing, mushroom hunting, home remodeling, live music, basketball, golf