Sixth Annual

Department of Emergency Medicine

Research Day

Wednesday, March 14, 2018

THE SMILOW CENTER FOR TRANSLATIONAL RESEARCH
UNIVERSITY OF PENNSYLVANIA
ED Research Day

Agenda

9:00 – 9:15    Welcome
9:15 – 10:00   Keynote Lecture
                “Reforming Payments in Acute and Emergency Care”
                Jesse Pines, MD, MBA, MSCE
                Professor of Health Policy and Management
                George Washington University

10:00-10:05    2018 Abigail and Gary Conrad Award
10:05 – 10:20  Break
10:20 – 11:20  Oral Presentations
11:20 – 12:20  Shark Tank
12:20 – 2:00   Lunch and Posters
12:45 – 2:00   Lightning Oral Presentations

CME & CEU are available for Penn physicians and nurses who attend ED Research Day. In order to earn 4.5 Nursing Continuing Education credits from today’s event, please fill out an evaluation form and return it to Liz Long by the end of the research day.

One (1) CME credit hour is available for physicians by texting NEXTKNOB to 95495
Keynote Lecture

"Reforming Payments in Acute and Emergency Care"

Jesse Pines, MD, MBA, MSCE
Professor of Health Policy and Management
George Washington University – Washington D.C.

Dr. Pines is the Director of the GW Center for Healthcare Innovation and Policy Research in the George Washington (GW) University School of Medicine & Health Sciences and a Professor of Health Policy and Management at GW Milken Institute School of Public Health (MISPH). Dr. Pines is the Principal Investigator for Urgent Matters, a program that disseminates information on best practices in emergency care. Dr. Pines is a board-certified emergency physician practicing at GW Hospital with extensive experience in quality improvement, patient safety, operations research, and clinical epidemiology. Dr. Pines has served as a Senior Advisor at the Center for Medicare and Medicaid Services Innovation Center, and a consultant to the National Quality Forum on patient safety and emergency care. He co-authored an Institute of Medicine Report on sustainable models for emergency preparedness funding.

Dr. Pines holds a B.A. in the Biological Basis of Behavior and a Master’s of Science in Clinical Epidemiology from University of Pennsylvania and an MD and a Master’s in Business Administration from Georgetown University. He completed a residency in emergency medicine at the University of Virginia Health Sciences Center and a fellowship in research at Penn. Prior to joining GW in 2010, Dr. Pines previously served on the faculty at the University of Pennsylvania School of Medicine.
Award to Jesse Pines, MD, MBA, MSCE

Abigail and Gary Conrad Award for Outstanding Research In Emergency Medicine

The award was established in 2013, in honor of Zachary Conrad by his parents Abigail and Gary. Zachary is a cardiac arrest survivor who received state-of-the-art treatment at HUP, in part developed through Emergency Medicine research. Past recipients of this award include:

- Stephen W. Trzeciak, MD, MPH March 2013
- Jeremy Brown, MD April 2014
- Sheldon Cheskes, MD March 2015
- Lynne D. Richardson, MD April 2016
- Federico E. Vaca, MD, MPH April 2017

Oral Presentations
Moderator: Amy Zeidan, MD

Elizabeth Long, BSN, RN, CEN
Improving Patients’ Experiences Communicating with Nurses and Providers in the Emergency Department

David Jang, MD, MSc, FACMT
Investigation of a Cell-Permeable Mitochondrial Prodrug on Mitochondrial Function in Human Blood Cells from Patients with CO Poisoning

Aaron Donoghue, MD
Launching High-Frequency CPR Training in a Pediatric ED: A Baseline Assessment in Real and Simulated Patients

Ezekiel Richardson, MS4, MD Candidate 2019 - CECPR Student Fellow
Concealed Cuffs: An Analysis of the Distribution of Pharmacy Public Blood Pressure Cuffs in Philadelphia

Utsha Khatri, MD - CECPR Resident Fellow
Healthcare Access During Reentry after Incarceration: Voices from the Frontline
Shark tank is a research pitch competition for resident-lead projects. The winning project will be awarded a research grant of $1,000 and faculty mentorship for their project.

**Contestants**

**Neil Ray, PGY1**

PennEM Design

An educational collaboration with the Penn Engineering School to utilize 3D printing for education simulation projects

**Jonathan Bar, PGY1**

RRRT: Redesigning Rapid Response Trial

An operations focused project to revamp how teams function during rapid responses

**Rohit Sangal, PGY3**

Intubating into the Abyss

An educational project that allows residents to record and review intubations regularly (i.e. an airway cam)

**Greg Siegel, PGY3**

A Different Kind of Bootcamp: Utilizing Simulation Based Medical Education to Prepare New EM Trainees

An educational project to incorporate ACLS sim cases during regular conferences

**Judges**

Daniel Holena, MD, MSCE, FACS

Carmen Guerra, MD, MSCE

Jesse Pines, MD, MBA, MSCE
**Lightning Oral Presentations**  
Moderator: Jay Chelluri, MD

**Presenters:**

**Edouard Coupet, MD**  
More Firearm Injuries are Discharged than Admitted: The Opportunity for Prevention

**Jola Salavaci, PharmD, PGY1 Pharmacy Resident - PPMC**  
Impact of a Pharmacy Resident on Transitions of Care and 30-day Readmission Rates in the Emergency Department

**Jennifer Love, MD**  
Emergency Department Discharge Prescribing in Association with a New Prescription Drug Monitoring Program

**Vicki Zhou, MS4, MD Candidate 2019**  
Predictors of short ICU Length of Stay for Diabetic Ketoacidosis Patients

**Andrew Pellet, MD**  
Ultrasound Assessment of Nasoenteric Feeding Tube Placement

**Alejandra Guevara, MS4 and Diana Zarowin**  
Evaluation of the FOCUS Medical Student Fellowship in Women’s Health: Developing Leaders in Academic Women’s Health

**Daphne Owen, MD**  
Association of Race and Socioeconomic Status with Automatic External Defibrillator Training Prevalence in the United States

**Anish Agarwal, MD, MPH**  
Yelp, ERs, and Urgent Care: what we can learn from online reviews
Poster Presentations

**Alfredo Almodovar, EMT-B**  
Using an immersive, multi-sensory virtual reality platform to examine lay provider response to an unannounced simulated sudden cardiac arrest event

**David Buckler, NRP**  
Association of Demographic and Geospatial Factors with the Provision of Bystander CPR Following Out-of-Hospital Cardiac Arrest

**Rohit Sangal, MD and Erik Blutinger, MD**  
Room for Improvement: Identifying Patients Most Dissatisfied With Care Updates in the Emergency Department

**Rohit Sangal, MD**  
Improving Emergency Department Patient Experience Through Implementation of an Informational Brochure

**Shaun McGovern, EMT-B**  
Automated external defibrillator training and awareness in the U.S. Latino population

**Jessica Wall, MD, MPH**  
Locations of Pediatric Emergency Care in the United States

**Electronic Posters Only**

**Stephanie Abbuhl, MD**  
Lactation Space Preferences Among Healthcare Workers in an Academic Medical Center

**Cameron Baston, MD, MPH**  
A retrospective study of the impact of emergency medicine clinician performed ultrasound on clinical outcomes in critically ill patients with sepsis

**Amy Zeidan, MD**  
Implicit Bias Training in Emergency Medicine Residency: “There’s a right answer”

**Nathaniel Reisinger, MD**  
Evaluation of Lung Ultrasound in the Emergency Department Disposition of Patients with End-Stage Renal Disease on Hemodialysis

**Kevin Scott, MD, MSEd**  
Implementation of Item Writing Training for the Development of a Comprehensive Written Board Review Program
The 2018 ED Research Day would like to thank the following exhibitors:

**Bard/BD UCC**

**Medtronic**

**Mindray**

**Nihon Kohden America**

**Physio-Control, now part of Stryker**

Thank you to all presenters and contributors!

From the ED Research Day Planning Committee:

Ben Abella, David Buckler, Jayaram Chelluri, Elizabeth Long, Eileen McDonnell, Zack Meisel, Fran Shofer, Gina South, Amy Zeidan