

# Emergency Medicine Resident Research Forum

**April 17, 2018**  
**9:00 a.m. – 12:00 p.m.**

The University of Arizona College of Medicine – Tucson  
5<sup>th</sup> floor Conference Room, #5403  
1501 N. Campbell Ave.  
Tucson, Arizona 85724

**Joseph J. Zorc, MD, MSCE**  
**Keynote Speaker**

The University of Arizona Emergency Medicine Research Center (AEMRC) and the UA Department of Emergency Medicine proudly welcome Joseph J. Zorc, MD, MSCE, as our 2018 Resident Research Forum Keynote Speaker. His talk will be *Pediatric Respiratory Disease as a Model for the Future of Emergency Department Research*.

Dr. Zorc is the Mark Fishman Professor in the Department of Pediatrics of the Perelman School of Medicine at the University of Pennsylvania, and the Director of Emergency Information Systems at The Children's Hospital of Philadelphia (CHOP).

Dr. Zorc's focus for clinical research has been acute pediatric respiratory disease, conducting numerous clinical trials to improve the emergency care of children with asthma and bronchiolitis, including a career development award from the National Heart, Lung and Blood Institute. He has been actively involved in the Pediatric Emergency Care Applied Research Network (PECARN) since its inception and was a lead investigator for the network's first clinical trial demonstrating lack of efficacy of dexamethasone for infants with bronchiolitis. He has participated in collaborative research and national guidelines committees for the American Academy of Pediatrics, including the development of the Bronchiolitis Clinical Practice Guideline.

After attending Harvard College and the Columbia University College of Physicians and Surgeons, Dr. Zorc completed training in Pediatrics and Pediatric Emergency Medicine at the Johns Hopkins Hospital before coming to CHOP as a faculty member in 1998.

Dr. Zorc received formal training in healthcare delivery and quality improvement at the Intermountain Healthcare Institute in Salt Lake City, Utah. He is board certified in clinical informatics, and has led the development of the electronic health record in the CHOP ED for the past 19 years, including leadership roles in analytics and data governance across the institution and nationally.

Dr. Zorc has received multiple awards in the areas of pediatric emergency medicine research, quality improvement, and clinical informatics. He has authored more than 100 publications in these areas, including peer-reviewed articles and invited reviews in leading journals. His passion is working at the intersection of these disciplines to maximize their potential to optimize care for acutely ill children today, as well as advance the science and systems of care to meet the needs of future generations.



## EVENT SCHEDULE

### WELCOME

**9:00 – 9:10 a.m.**

Samuel Keim, MD, MS

### KEYNOTE ADDRESS

**9:10 – 9:55 a.m.**

*Pediatric Respiratory Disease as a Model for the Future of Emergency Department Research.*

Joseph J. Zorc, MD, MSCE

### PRESENTATIONS

**9:55 – 10:05 a.m.**

Prevalence and Characteristics of Clinical Teaching in Emergency Physicians.

**Kiel Urata, MD.** Mentor: Katherine Hiller, MD, MPH, FACEP

**10:05 – 10:15 a.m.**

Effects of Protocolized Trauma Care on Outcomes of Medically Critically Ill.

**Zachary Hernandez, MD.** Mentor: Jarrod Mosier, MD

**10:15 – 10:25 a.m.**

Baseline Point-of-Care Ultrasound Knowledge and Confidence of First-Year Emergency Medicine Residents.

**Miguel Sandoval, MD, Linsey Sandoval, MD.** Mentors: Elaine Situ-LaCasse, MD, and Albert Fiorello, MD, FACEP

**10:25 – 10:35 a.m.**

Does an EMS Protocol Change Decrease Spinal Board Use in Patients with Spinal Cord Injury?

**Peter Fletcher, MD.** Mentor: Joshua Gaither, MD, FACEP

**10:35 – 10:45 a.m.**

Emergency Medicine Residents' Musculoskeletal Knowledge Acquisition after Sports Medicine and Orthopedic Rotations.

**Mark Bernardi, MD, Ross DeChant, MD, and Justin Eales, MD.** Mentor: Anna Waterbrook, MD, FACEP

**10:45 – 10:55 a.m.**

Decreasing Computed Tomography Use in Pediatric Blunt Abdominal Trauma: A Clinical Decision Rule.

**Colin West, MD, and Jeremiah Garrison, MD.** Mentor: Kurt Denninghoff, MD

**10:55 – 11:05 a.m.**

Can Ultrasound Naïve First-Year Medical Students Develop Hands-On Skills in Image Acquisition after Reviewing Online Ultrasound Modules?

**Dang Huynh, MD.** Mentor: Elaine Situ-LaCasse, MD

**11:05 – 11:15 a.m.**

The Effects of Dexamethasone on the Time-to-Pain Resolution in Dental Apical Abscess.

**Whitney Robertson, MD, Georgia Baumann, MD, Ashley Guinn, MD and Kurt Curtis, MD.** Mentors: Noah Tolby, MD, and Dale Woolridge, MD, PhD

**11:15 – 11:25 a.m.**

Clinical, Laboratory, and Ultrasound Characteristics of Common Bile Duct Stones.

**Josie Valenzuela, MD.** Mentor: Elaine Situ-LaCasse, MD

**11:25 – 11:35 a.m.**

Prehospital Availability and Use of Medications for Managing Hazmat Emergencies.

**Amber Bellafiore, MD, Carl Youngs, MD, and Eric Lederer, MD.** Mentor: Joshua Gaither, MD, FACEP

**11:35 a.m. – 11:45 a.m.**

Communication and Professionalism Education for Resident Interns in Emergency Medicine: The Cope Project.

**Aubrey Bethel, MD.** Mentor: Alice Min Simpkins, MD, FACEP

### SUMMARY

**11:45 a.m. – 12:00 p.m.**

Kurt Denninghoff, MD



## Sponsored by

**The University of Arizona Emergency Medicine  
Research Center**  
**The University of Arizona Department of  
Emergency Medicine**

## Conference Planning Committee

### **Samuel M. Keim, MD, MS**

Professor and Department Head, Emergency Medicine  
Director, University of Arizona Emergency Medicine  
Research Center

### **Kurt R. Denninghoff, MD**

Distinguished Professor and Research Associate Head, Emergency  
Medicine  
Professor, Optical Sciences



## Maria C. Mandell Memorial Emergency Medicine Award

This award is given in memory of Maria C. Mandell, who was a dedicated volunteer for emergency medicine at the University of Arizona, beginning with University Medical Center's opening in 1971 and until her death in 1983. It was through her efforts that the Emergency Medicine Auxiliary was established.

This award, established in her name by her husband Bert, is a tribute to her interest and contributions to emergency medicine. The award provides support for medical students and residents to conduct research in emergency medicine and injury prevention. It is given as the award for the outstanding ScholarQuest project and presentation at the Annual Resident Research Forum.

ScholarQuest is a novel program developed with the goal to provide research training and experience using real-world conditions. During the first year of the program, residents are taught research skills. Then, under the direction of the UA Department of Emergency Medicine faculty and research staff, residents form teams and develop project proposals based on questions that have been raised by their work in the emergency department. During their second year, the teams conduct the proposed research, submit an abstract of the work to a national meeting, and present their work to a panel of local faculty judges for review.

By conducting their own research, the residents gain valuable personal experience with the research process and improve their skills as practicing physicians through a greater understanding of how new knowledge is developed and validated.