

Emergency Medicine Resident Research Forum

April 26, 2016
9:00 a.m. – 12:00 p.m.

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

Richard M. Ruddy, MD, FACEP, FAAP
Keynote Speaker

The University of Arizona Emergency Medicine Research Center (AEMRC) and the UA Department of Emergency Medicine proudly welcome Richard M. Ruddy, MD, as our 2016 Resident Research Forum Keynote Speaker. His talk will be *Pediatric Emergency Research and Quality Initiatives: 15 years of work in an hour.*

Dr. Ruddy has been at Cincinnati Children's Hospital Medical Center since 1991, and until 2015 had served as director of the Division of Emergency Medicine. Previous appointments include being an assistant professor of pediatrics at University of Pennsylvania and The Children's Hospital of Philadelphia (CHOP) from 1980-85 and associate professor of pediatrics at New York Medical College and Westchester County Medical Center from 1985-91.

He earned a bachelor's degree, graduating cum laude, at the University of Notre Dame, and a medical degree at Georgetown University Medical School, where he was elected to the Alpha Omega Alpha Honor Medical Society.

Dr. Ruddy is a member of numerous professional organizations, including the American Academy of Pediatrics, Academic Pediatric Association, American College of Emergency Physicians, Society of Academic Emergency Medicine, and American Pediatric Society. He served on the executive committee and as Chair of the American Academy of Pediatrics – Section of Emergency Medicine, as well as on the Board of Health for the City of Cincinnati from 2007-2010. He currently has been serving on the Hamilton County Infant Mortality Board for the past two years.

Dr. Ruddy is the author of numerous papers, abstracts, books, and book chapters, including chapters in the "Textbook of Pediatric Emergency Medicine" and the "Textbook of Pediatric Emergency Procedures". He is the principal investigator for the Hospitals of the Midwest Emergency Research Node for PECARN since 2011.

Dr. Ruddy's research interests include acute respiratory illness and improving the quality of pediatric emergency care. List of his publications at:

<http://www.ncbi.nlm.nih.gov/sites/myncbi/10G2ptVCNW756/bibliography/42344218/public/?sort=date&direc>



EVENT SCHEDULE

WELCOME

9:00 – 9:10 a.m.

Samuel Keim, MD, MS

KEYNOTE ADDRESS

9:10 – 9:55 a.m.

Pediatric Emergency Research and Quality Initiatives: 15 years of work in an hour.

Richard M. Ruddy, MD, FACEP, FAAP

PRESENTATIONS

9:55 – 10:05 a.m.

Misclassification of Presumed Cardiac Arrest Cases in a National Cardiac Arrest Registry.

Joseph Bradley, MD, Amber Rice, MD, and Sean Wentworth, MD. Mentor: Terry Valenzuela, MD, MPH

10:05 – 10:15 a.m.

Derivation of a Bundle to Improve First Attempt Success at Intubation in the Intensive Care Unit.

Melissa Kelsey, MD. Mentor: Jarrod Mosier, MD

10:15 – 10:25 a.m.

The HEAT Study: Hyperventilation and End Tidal CO₂ in Traumatic Brain Injury.

Abhishek Kulkarni, MD, Matthew Lopez, MD, and Lindsay Tesar, MD. Mentor: Joshua Gaither, MD

10:25 – 10:35 a.m.

Clinical Outcomes for Rural and Urban Patients with Traumatic Brain Injury Requiring Admission to Level 1 vs. Non-Level 1 Trauma Centers in Arizona: An Observational Retrospective Study.

Phillip Hoverstadt, MD, and Benjamin Ruffatto, MD. Mentors: Kurt Denninghoff, MD and Tomas Nuño, PhD

10:35 – 10:45 a.m.

Time-to-Antibiotics for Critically Ill Patients with Suspected Severe Sepsis Is Significantly Longer for Pediatric Patients than Adults.

Erin Tromble, MD. Mentor: Jarrod M. Mosier, MD

10:45 – 10:55 a.m.

Evaluation of VL Use in Blood Airway.

Judson Com, MD, and Patrick Hollinger, MD. Mentor: John C. Sakles, MD

10:55 – 11:05 a.m.

Emergency Department Recognition of Critical Illness-Related Corticosteroid Insufficiency.

Garrett Pacheco, MD. Mentor: Jarrod Mosier, MD

11:05 – 11:15 a.m.

Hypothermia and Traumatic Brain Injury.

Merlin Curry, MD, Sophie Galson, MD, and Moses Mhayamaguru, MD. Mentor: Joshua Gaither, MD

11:15 – 11:25 a.m.

Clinical and Historical Features of Emergency Department Patients with Pericardial Effusions.

Elaine Situ-LaCasse, MD. Mentors: Srikar Adhikari, MD, and Lori Stolz, MD

11:25 – 11:35 a.m.

Assessment of Musculoskeletal Knowledge Among Emergency Medicine Physicians.

James Fox, MD, Marvin Griffin, MD, and Andrew Keyser, MD. Mentor: Anna Waterbrook, MD

11:35 a.m. – 11:45 a.m.

What Non-Physician Factors Affect Length of Stay in the ED?

Christian Smith, MD. Mentor: Brian Drummond, MD

11:45 a.m. – 11:55 a.m.

Harnessing Helminths to Immunomodulate Autoimmunity.

Sean Murphy, MD. Mentors: Daniel Beskind, MD, Richard Amini, MD, Kurt Denninghoff, MD, and Marvin Slepian, MD

SUMMARY

11:55 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 Chair, 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.