Emergency Medicine Research News
September 2019

Conducting innovative clinical and translational emergency care research to advance the health of the people of Wisconsin and beyond.

Top Stories

Manish Shah MD, MPH: Dementia Matters Podcast

Manish Shah MD MPH, was a featured guest on a recent episode of the ADRC's Dementia Matters podcast. The episode discusses Dr. Shah's research into programs that reduce Emergency Room visits for dementia patients. Awesome work, Manish!

Dementia Matters is sponsored by the Wisconsin Alzheimer's Disease Research Center. The podcast helps humanize Alzheimer’s disease, by speaking with the experts in the community to keep the public informed on the latest headlines, research studies, and caregiver resources.

Michael Repplinger MD, PhD: Interviewed by WMSN Fox 47 News

Michael Repplinger MD PhD, was recently interviewed by WMSN Fox 47 News for a news series on the root of opioid addiction. The series, titled 'The Addiction Front', focuses on where people first get opioids before becoming addicted. Congrats, Mike!

Watch the News Story Here - The Addiction Front
Kudos

A huge kudos and THANK YOU to all of the ED staff!

To show our appreciation, DEM research staff and faculty members will be handing out ice cream treats in the ED on **September 5 (night)**

and **September 6 (day)**!

Our research is made possible by your dedication and expertise.

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**Upcoming Events**

**Research Lecture**, September 19, 2019
Topic - Survey Designs
Lead - Michael Repplinger, MD PhD
9:00a.m. - 9:50a.m.

**ASER 2019 Conference**
September 11-14, 2019
Scottsdale, Arizona

**UWCCC - The Ride**, September 22, 2019

**ACEP 2019 Conference**
October 27-30, 2019
Denver, Colorado
Recent Publications

Manuscripts:


Studies Currently Enrolling in the ED

All of Us
The purpose of this study is to build a national database that will be available to researchers to further precision medicine. Enrollers will approach patients to participate, help them go through the portal to complete the baseline surveys, and schedule follow-up appointments with patients for bio-specimen collection. We are hoping to enroll family members and guests in this study as well. For questions, see Dr. Manish Shah.

Clinical Evaluation of the Omron Wheeze Detector Prototype and Algorithm
The purpose of this study is to test a wheeze detector prototype created by Omron Healthcare in pediatric patients with a history of asthma or suspected of having asthmatic symptoms. This is a new protocol but is a continuation of the previous Omron study that is more tailored to the target patient population. Enrollers will take a 30-second recording of eligible patients breathing to capture lung sounds of interest. For questions, see Dr. Manish Shah or Dr. Michael Kim.

Engineering Safe Care Journeys for Vulnerable Older Adults
As a part of the AHRQ grant titled “Engineering Safe Care Journeys for Vulnerable Older Adults”, researchers from the Wisconsin Institute for Healthcare Systems Engineering will soon begin conducting observations in the ED to observe disposition decision-making discussions between patients and clinicians. Their intent is to better understand the disposition decision-making process for older adult patients and barriers/facilitators in the process. They will use these data to design a tool that will improve transitions from the ED to the hospital, the patient’s home and skilled nursing facilities. If you have any questions or concerns about the observations, please contact the study PI, Dr. Pascale Carayon (pcarayon@wisc.edu).
Evaluating the Utility of Thermal Imaging in Diagnosing Cellulitis for Lower Extremity Complaints in the Emergency Department
The main purpose of the study is to determine the temperature gradient between affected and unaffected legs in patients with cellulitis and compare the difference in temperature between cases of cellulitis and pseudocellulitis. A secondary purpose is to assess the impact of thermal imaging data on diagnostic assessments of potential cellulitis cases when added to standard techniques. For questions, see Dr. Mike Pulia.

Sonographic Cardiopulmonary Features of Early Sepsis
This study aims to correlate cardiopulmonary sonographic findings in patients with early severe sepsis with the need for vasopressor support and positive pressure ventilation, as well as mortality and level of care on admission. Ultrasound faculty consent and enroll ED patients that have the sepsis BPA pop up in HealthLink. For questions, see Dr. Nikolai Schnittke or Dr. Sara Damewood.

Please send newsletter ideas and suggestions to Sharon West: slwest@medicine.wisc.edu