

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.



Dementia Matters - A podcast about Alzheimer's disease

"Telemedicine reduces emergency room visits for dementia patients" - Tuesday, July 30, 2019

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



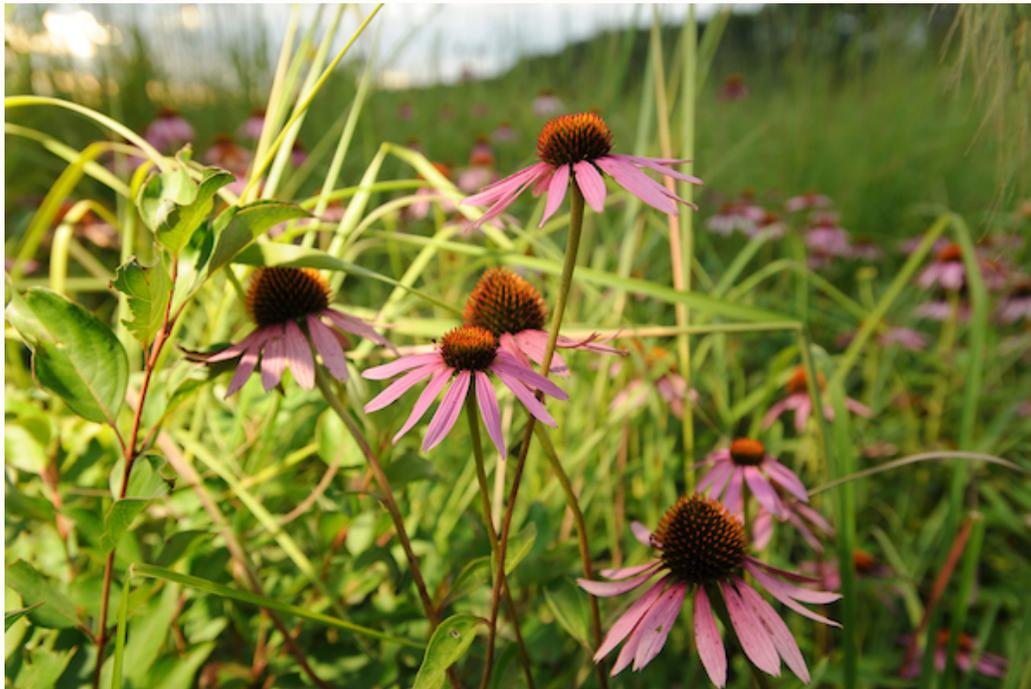
Michael Repplinger MD PhD, was recently interviewed by **WMSN Fox 47 News** for a news series on the root of opioid addiction. The series, titled 'The Addiction Front', focuses on where people first get opioids before becoming addicted. Congrats, Mike!

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.



Upcoming Events

Research Lecture, September 19, 2019

Topic - Survey Designs

Lead - Michael Replinger, 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:

Kuttab HI, ...Ward MA, et al. Evaluation and Predictors of Fluid Resuscitation in Patients With Severe Sepsis and Septic Shock. [Critical Care Medicine. August 2019.](#)

Fiore MP, Marmer SL, **Steuerwald MT**, **Thompson RJ**, Galgon RE. Three Airway Management Techniques for Airway Decontamination in Massive Emesis: A Manikin Study. [WestJEM. August 2019.](#)

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.



**BerbeeWalsh Department of
Emergency Medicine**

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*Please send newsletter ideas and suggestions to Sharon West:
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