

Emergency Medicine Research News February 2019

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

Top Stories

Dr. Bobby Redwood, DEM Alumnus, in USA Today

Bobby Redwood, MD, a DEM alumnus has been featured in an article in USA Today regarding opioid addiction and how ED physicians are fighting the epidemic. According to the article, Wisconsin saw a 35% increase in fatal opioid overdoses between 2015 and 2016. ED visits for overdoses were the highest in the nation, with an astounding 109% increase between 2016 and 2017, according to the [Centers for Disease Control and Prevention](#). Dr. Redwood and other emergency clinicians want to expand medication-assisted treatment since it is a proven method for successfully treating substance abuse disorders by combining anti-craving medicines such as buprenorphine or methadone with supportive counseling and behavioral therapy.

[Read The Article Here](#)

27th Annual Wisconsin Emergency Medicine Research Forum: Call for Abstracts and Registration

The **BerbeeWalsh Department of Emergency Medicine at the University of Wisconsin-Madison**, the Department of Emergency Medicine at the Medical College of Wisconsin, and the Wisconsin Chapter – American College of Emergency Physicians are joining forces to host the **27th Annual Wisconsin Emergency Medicine Research Forum**. The forum will be held on April 4, 2019 at The Harley Davidson Museum in Milwaukee, WI. The abstract deadline is **4:00pm on Monday, February 18, 2019**. Abstracts must be submitted via email as a Microsoft Word document to wisconsinemresearch@gmail.com. Registration for the Forum only is free. To register, please use the link below.

[Click Here To Register](#)

[For More Information...](#)



Upcoming Events

Research Lecture (Systematic Review and Meta-Analysis)

Thursday, February 14, 2019

9:00a.m.-9:50a.m.

Michael Replinger, MD, PhD

VIP Grand Rounds

February 21, 2019 - Stephen Hargarten, MD, MPH

2019 Research Forum (Research Day 2019)

April 4, 2019

The Harley Davidson Museum

400 W Canal Street, Milwaukee, WI

Abstract Deadline: February 18, 2019

Recent Publications

Manuscripts:

Patterson BW, Pulia MS, Ravi S, Hoonakker PLT, Schoofs Hundt A, Wiegmann D, Wirkus EJ, Johnson S, Carayon P. Scope and Influence of Electronic Health Record–Integrated Clinical Decision Support in the Emergency Department: A Systematic Review. [Annals of Emergency Medicine. January 2019.](#)

Mistry RD, May LS, **Pulia MS.** Improving Antimicrobial Stewardship in Pediatric Emergency Care: A Pathway Forward. [Pediatrics. February 2019; 143\(2\): e20182972.](#)

Jacobsohn GC, Hollander M, Beck AP, Gilmore-Bykovskyi A, Werner N, Shah MN. Factors Influencing Emergency Care by Persons With Dementia: Stakeholder Perceptions and Unmet Needs. [Journal of the American Geriatrics Society. January 2019.](#)

Hupalo S, Martin AJ, **Green RK**, Devilbiss DM, Berridge CW. Prefrontal Corticotropin-Releasing Factor (CRF) Neurons Act Locally to Modulate Frontostriatal Cognition and Circuit Function. [The Journal of Neuroscience. January 2019.](#)

Thompson RJ, Sharp B, Lee A, Pothof J, Hamedani A. Pardon the Interruption(s)—Enabling a Safer Emergency Department Sign Out. Wisconsin Medical Journal (WMJ). [2018; 117\(5\): 214-218.](#)

Monette DL, Steuerwald MT, et al. The Impact of Video Laryngoscopy on the Clinical Learning Environment of Emergency Medicine Residents: A Report of 14,313 Intubations. [AEM Education and Training. December 2018.](#)

Residency Graduate Publications:

Hruska K, **Bjørnsen LP**, et al. Template for uniform reporting of emergency department measures, consensus according to the Utstein method. [European Journal of Emergency Medicine. November 2018.](#)

Caretta-Weyer H. Transition to Practice: A Novel Life Skills Curriculum for Emergency Medicine Residents. [Western Journal of Emergency Medicine. 2019; 20\(1\): 100-104.](#)

Studies Currently Enrolling in the ED

ORBEX

The purpose of this study is to assess whether administering ORal Bacterial EXtract to pediatric patients at risk of developing asthma will prevent these patients from developing asthma. The study is being done by Dr. Dan Jackson in Asthma & Allergy and is targeting patients between 5 and 17 months old with asthma risk factors. Enrollers will explain the study to potentially eligible families and obtain permission to contact for the study team to follow up with interested families. For questions, see Dr. Manish Shah or Dr. Dan Jackson.

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.

Caregiver Perspectives on Recruiting Patients with Memory Challenges into Research

This is a qualitative study lead by Dr. Gilmore-Bykovskiy in the School of Nursing that aims to better understand how to include patients with dementia and their caregivers in research. Caregivers of patients with dementia will be approached and asked if they would be willing to participate in an informal interview with a member of the study team. 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.

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.

Paramedic-Coached ED Care Transitions to Help Older Adults Maintain their Health

The purpose of this study is to test the overall hypothesis that a community-based, paramedic-coordinated ED-to-home Care Transition Intervention will improve community-dwelling older adults' post-ED health outcomes and reduce cost. This study will include older adults discharged home from the ED, as well as their caregiver. For questions, see Dr. Manish Shah.



**BerbeeWalsh Department of
Emergency Medicine**
UNIVERSITY OF WISCONSIN
SCHOOL OF MEDICINE AND PUBLIC HEALTH

For more news, please visit our website

*Please send newsletter ideas and suggestions to Sharon West:
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