

Emergency Medicine Research News February 2020

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

Top Stories

WACEP 2020 Spring Symposium & 28th Annual EM Research Forum - Join Us!

WACEP 2020 is just around the corner! The forum will be held on April 16, 2020 in Middleton, WI. **The abstract deadline is 5:00pm on Friday, February 14, 2020.** Abstracts must be submitted via email as a Microsoft Word document to demresearch@medicine.wisc.edu. As always, registration for the Forum only is free. [For more information regarding registration, abstract submission guidelines, and agenda, please see the link below!](#)

[2020 Research Forum](#)

Chief Flight Physician, Dr. Michael Abernethy published in the Emergency Medicine Journal



Michael Abernethy MD, Chief Flight Physician, has written a stunning editorial about emergently placed burr holes in the ED when neurosurgery is not available. At the request of his Irish colleagues, Mike wrote the editorial to complement their original case study. The full commentary and case study were published in the **Emergency Medicine Journal (EMJ)**, an international peer-review journal covering pre-hospital and hospital emergency medicine, and critical care. Nice work, Mike!

[Read the Editorial and Case Study Here!](#)

Upcoming Deadlines (Conferences and Awards)

Conference Deadlines:

[CORD 2020 \(Hotel Reservation Deadline\)](#) - February 5, 2020

[SAEM 2020 \(Early Bird Registration Deadline\)](#) - March 16, 2020

[SAEM 2020 \(Hotel Group Rate Deadline\)](#) - April 15, 2020

Award Submission Deadlines (National and Institutional):

[Lasker Foundation Awards](#) - February 3, 2020

[UW-Madison University Staff Awards](#) - February 28, 2020

[ACEP 2020 \(Leadership Awards\)](#) - March 1, 2020



Upcoming Events

National Women Physicians Day

February 3, 2020

World Cancer Day

February 4, 2020

DEM Journal Club & Research Lecture (Antimicrobial Stewardship)

February 6, 2020

11:00a.m. - 1:00p.m.

Michael Pulia, MD, MS

VIP Grand Rounds

Earning Your ED Ortho Merit Badge(r)...The High Yield ED Ortho

February 6, 2020

10:00a.m. - 10:50a.m.

Chris Hogrefe, MD

Topic TBD

February 20, 2020

10:00a.m. - 10:50a.m.

Susan Stern, MD

National Wear RED Day

February 7, 2020

St. Valentine's Day ♥

February 14, 2020



Recent Publications

Manuscripts:

Burns W, Hartman N, Weygandt PL, Jones S, Caretta-Weyer H, Grabow K. Critical Electrocardiogram Curriculum: Setting the Standard for Flipped-Classroom EKG Instruction. [WestJEM. December 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.

Caregiver Uncertainty

This pilot study aims to assess the feasibility and acceptability of enrolling and surveying patients with memory changes and their caregivers in the ED. Eventually, these pilot data will be submitted for a grant to expand the study. If funded, the study would aim to understand how these patients and their caregivers make decisions about coming to the ED. Hopefully, this will help shed some light on resources that would be useful for these patients/caregivers to receive support in the community rather than seeking care in the ED. Enrollers will perform all study activities for this study, as it is a survey-based study. 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 (Part 1)

As a part of the AHRQ grant titled "Engineering Safe Care Journeys for Vulnerable Older Adults", EDRCs will start administering surveys to older adult fall patients about their perceptions of health care. EDRCs will administer two short surveys, one in the middle of the patient's stay and one just before the patient leaves the ED. These data will serve as baseline data to evaluate a tool that will be designed to 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 project, please contact the study PI, Dr. Pascale Carayon (pcarayon@wisc.edu) or Drs. Shah or Patterson.

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.

Lumos FebriDx

The purpose of this study is to test a device to identify the infectious etiology (virus vs. bacteria) of patients presenting with acute respiratory symptoms. This device, called FebriDx created by Lumos Diagnostics, uses a finger stick blood sample to measure the levels of various pathogens. The hope is for this device to be widely available for patients to help guide their decisions to seek care for respiratory illnesses. In addition to the finger stick, the EDRCs will be collecting nose and throat swabs as well as blood samples to send for confirmatory testing. This study is expecting to enroll 1-2 patients per week during daytime hours. For questions, see Dr. Michael Ward or Dr. Michael Pulia.



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Emergency Medicine**
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