

Emergency Medicine Research News March 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!

REMINDER: WACEP 2020 is just around the corner! The forum will be held on April 16, 2020 in Middleton, WI at the Madison Marriott West hotel. Registration for the Forum only is free. [For more information regarding registration, schedule, and awards, please see the link below!](#)

[2020 Research Forum](#)

Dr. Michael Pulia interviewed for the Times of London and the Wall Street Journal



It has been an exciting February for **Michael Pulia MD MS**, our Director of the Emergency Medicine Antimicrobial Stewardship Program. Dr. Pulia was interviewed on February 5, 2020, by the **Times of London**, Britain's oldest national newspaper, founded in 1785. The interview was in relation to a recent study on **antibiotic prescribing without a doctor visit**. This study was performed by another research group in the United States, and the Times wanted an expert not affiliated with the study to comment. In the same week, Dr. Pulia was interviewed to comment on the same study by the **Wall Street Journal!** These interviews are impressive and showcase Dr. Pulia as a leading researcher, expert, and top authority in antimicrobial stewardship. Brilliant job, Mike!

Read the articles online (subscriptions required)!

The Times of London - Nearly a third of prescriptions for antibiotics in the US may be given to patients who have not been examined by a doctor

The Wall Street Journal - Patients Often Get Antibiotics Without a Doctor Visit, Study Finds

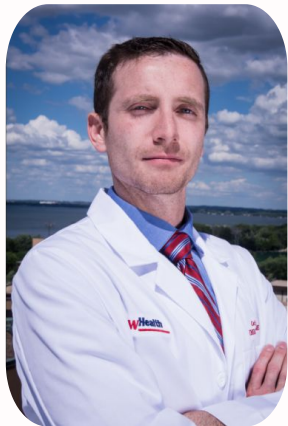
Ultrasound in Uganda



Jessica Schmidt MD MPH, Director of Global Health for Emergency Medicine, has partnered with local physicians at UW and physicians at **Mbale Regional Referral Hospital** and the Mbale Clinical Research Institute (MCRI), along with Atlas International (an NGO dedicated to improving health for children in Eastern Africa) to develop a project aimed at creating a training and research program in point-of-care ultrasound (POCUS) in **Mbale, Uganda**. The goal is to improve patient care and survival rates in Uganda's low-resource setting. Dr. Schmidt is also studying how to use POCUS to better care for children in this low-resource setting in conjunction with Dr. Olupot-Olupot, who is the Director of the MCRI. Excellent work, Jessica!

[Read the Whole Story Here!](#)

Dr. Corlin Jewell Receives "One Step Further" Award



Congratulations to **chief resident Corlin Jewell MD** for receiving the **Spring 2020 Rosh Review "One Step Further" Award from EMRA** (Emergency Medicine Residents' Association). This national award is presented to a resident who exemplifies the ideals of continuous learning and self-improvement, and always goes "one step further" to improve a weakness or accelerate a strength. In addition, awardees will be highlighted in the April/May edition of *EM Resident* magazine, which reaches over 16,000 EMRA members. Way to go, Corlin!

Upcoming Deadlines (Conferences and Awards)

Conference Deadlines:

[ISMRM 2020 \(Hotel and Early Registration Deadline\)](#) - March 11, 2020

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

[AAEM 2020 \(Hotel Reservation Deadline\)](#) - March 20, 2020

[AMIA CIC 2020 \(Early Registration Deadline\)](#) - March 26, 2020

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

Award Submission Deadlines (National and Institutional):

[GSA 2020 \(Society Wide and Section Awards\)](#) - March 21, 2020

Upcoming/Recent Presentations (DEM authors listed)

Council of Residency Directors in Emergency Medicine (CORD EM) Academic Assembly, March 8-11, 2020

A. Kraut, L. Sheehy, B. Schnapp, and B. Patterson: "Evaluating the Effect of Resident Physicians in a Supervisory Role on Clinical Efficiency in a Community Emergency Department" (poster)

American Academy of Emergency Medicine (AAEM) annual meeting, April 19-23, 2020

E. Maginot, R. Schwei, L. Valmadrid, and M. Pulia: "A Qualitative Comparison of Long Term Care and Emergency Department Nurses Perception of the Other" (poster)



Upcoming Events

DEM Journal Club & Research Lecture (Pediatrics)

March 5, 2020

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

Michael Replinger, MD, PhD

Nicholas Kuehnel, MD

Josh Ross, MD

Michael Kim, MD

VIP Grand Rounds

First Trimester Vaginal Bleeding: Answering the Tough Questions

March 5, 2020

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

Dara Kass, MD

Bradycardic and Hypotensive Overdose

March 19, 2020

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

Christopher Hoyte, MD

Cognitive Overload in the ED: Managing the Controlled Chaos of the ED

Jason Wagner, MD

Influenza Diagnosis and Treatment in the Emergency Department

Philip Mudd, MD PhD
March 26, 2020
10:00a.m. - 11:50a.m.

International Women's Day

March 8, 2020

CORD 2020 Conference

New York, NY
March 8-11, 2020

St. Patrick's Day 🍀

March 17, 2020

First Day of Spring 🌸

March 20, 2020

Match Day and DEM Social M&M Brunch

March 20, 2020

National Doctors' Day

March 30, 2020



Recent Publications

Manuscripts:

Beck AP, Jacobsohn GC, Hollander M, Gilmore-Bykovskiy A, Werner N, **Shah MN.** Features of primary care practice influence emergency care-seeking behaviors by caregivers of persons with dementia: A multiple-perspective qualitative study. [Dementia. February 12, 2020.](#)

Stahl CC, Collins E, Jung SA, Rosser AA, **Kraut AS, Schnapp BH, Westergaard M, Hamedani AG,** Minter RM, Greenberg JA. Implementation of Endustable Professional Activities into a General Surgery Residency. [Journal of Surgical Education. February 8, 2020.](#)

Thrasher TW, Rolli M, Redwood RS, Peterson MJ, Schneider J, Maurer L, **Repplinger MD.** 'Medical Clearance' of Patients With Acute Mental Health Needs in the Emergency Department: A Literature Review and Practice Recommendations. [WMJ. 2019 Dec; 118\(4\): 156-163.](#)

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 (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.

Integrating mHealth for Alcohol Use Disorders into Clinical Practice

The purpose of this study is to use mobile health technology to support patients wishing to balance alcohol consumption with their other health goals. The EDRCs will be screening for potentially eligible patients and informing them of the study - no study activities will take place in the ED. The EDRC team is working with Dr. Andrew Quanbeck from the Department of Family Medicine and Community Health on this implementation study to see how the app his team has developed integrates into patients' lives. For questions, see Dr. Manish Shah or Dr. Brian Patterson.

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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Please send newsletter ideas and suggestions to Sharon West:

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