



# Emergency Medicine Research News

## January 2019

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

### Top Stories

#### **Upcoming/Recent Presentations (DEM authors listed)**

**National Association of EMS Physicians (NAEMSP) annual meeting, January 7-12, 2019**

**M. Mancera:** "Community Paramedic Pilot Program Operational Metrics and Impact on Patient 9-1-1 Utilization" (workshop)

**N. Genthe, M. Lohmeier, M. Gussick, MN. Shah, and M. Mancera:**

"Community Paramedic Pilot Program Operational Metrics and Impact on Patient Emergency Medical Services Utilization" (poster)

**N. Lepa, M. Steuerwald, K. Emmerich, and B. Jennett:** "Comparison of Ground Level Hyper-Angulated and Standard-Geometry Video Laryngoscopy Tracheal Intubation for Prehospital Care in a Manikin" (poster)

#### **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](mailto:wisconsinemresearch@gmail.com)**. Registration for the Forum only is free. To register, please use the link below.

[Click Here To Register](#)

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## Upcoming Events

### **VIP Grand Rounds**

January 17, 2019 - Debra Houry, MD, MPH (Opioid Epidemic)

January 17, 2019 - Michael Steuerwald, MD (Airway Grand Rounds)

January 31, 2019 - Olivia Bailey, MD

### **Research Lecture (Cost Effectiveness Analysis)**

Thursday, January 3, 2019

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

Brian Patterson, MD, MPH

### **NAEMSP 2019 (National Conference)**

January 7-12, 2019

Austin, TX

### **Journal Club (Pediatrics)**

Tuesday, January 15, 2019

6:30p.m.-8:30p.m.

Michael Kim, MD and Nicholas Kuehnel, MD

### **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:**

**Crosby J**, Werku D, Zewdu T, Wanjiku G, **Schmidt J**. Acute mesenteric ischaemia: A case of expedited diagnosis and management using point-of-care ultrasound. [African Journal of Emergency Medicine. December 2018; 8\(4\): 164-166.](#)

Gunderson K, **Thompson R**, et al. Examining the Impact of Using the SIMPL Application on Feedback in Surgical Education. [Journal of Surgical Education. November-December 2018; 75\(6\): e246-e254.](#)

**Thompson R**, Sullivan S, et al. Does a Written Tool to Guide Structured Debriefing Improve Discourse? Implications for Interprofessional Team Simulation. [Journal of Surgical Education. November-December 2018; 75\(6\): e240-e245.](#)

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## *Protocols Recently Approved by the EMRC*

1. Dan Jackson, MD: "Randomized, placebo-controlled, multicenter study to assess the efficacy, safety and tolerability of ORal Bacterial EXtract for the prevention of wheezing lower respiratory tract illness (ORBEX)"
2. **Jessica Schmidt, MD, MPH**, and **Sara Damewood, MD**: "ACB Ultrasound Proposal"

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## *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  
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SCHOOL OF MEDICINE AND PUBLIC HEALTH

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*Please send newsletter ideas and suggestions to Sharon West:  
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