EMERGENCY MEDICINE RESEARCH NEWS

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

June 2018

Top Stories

EM Guidance Wins Award: Seedstars Summit 2018
Congratulations to Janis Tupesis, MD whose project, Essential Medical (EM) Guidance, won a major award at the Seedstars World Summit on April 12th, 2018 in Lausanne, Switzerland. Seedstars World is the largest emerging markets startup competition. EM Guidance was among 12 finalists to compete for various prizes, winning the Healthcare Prize of $50K! EM Guidance is a comprehensive mobile app based in Cape Town, South Africa. The app provides free medical resources, like treatment protocols and health facility directories, to local medical professionals. The project grew out of The Open Medicine Project – South Africa and Dr. Tupesis’ UW Global Health Institute Seed Grant.

Recent Abstract/Poster Presentations (DEM authors listed)
American Geriatrics Society (AGS) annual meeting, May 3-5, 2018
B. Patterson, A. Trinh, M. Repplinger, M. Pulia, M. Smith, and MN. Shah: “Predicting Outpatient Falls after ED Visits Using the Hendrich II Inpatient Fall Screen.”

AAEM annual meeting, April 7-11, 2018
M. Hughes, R. Bracken, and M. Repplinger: “Identifying Factors Impacting Time to MRI for Emergency Department Patients.”

SAEM annual meeting, May 15-18, 2018
M. Mancera: “Acceptability of Simulation Based Education among Emergency Medical Services Providers.”
A. Trinh, B. Patterson, M. Repplinger, M. Pulia, M. Smith, and MN. Shah: “Clinical Utility of Hendrich II Scores in Predicting Outpatient Falls.”

Kudos

PE MRA Research Highlighted in AuntMinnie
AuntMinnie.com, an online forum that features the latest news and information about medical imaging, interviewed Mike Repplinger, MD, PhD, and Scott Nagle, MD, PhD in May 2018 about their PE MRA research and recent publications. The forum’s homepage highlighted the interview, “MRA tops CTA for pulmonary embolism evaluation”. Cheers to your research Mike and Scott!
Recent Publications

Manuscripts:


**Book Chapters:**


**Upcoming Deadlines and Events**

**VIP Grand Rounds** (topics TBD)
July 12, 2018 – David Pearson, MD
July 26, 2018 – Michael Gibbs, MD

**Graduation, Class of 2018**
Thursday, June 21, 2018

**Annual Clark Cup Games**
Sunday, July 22, 2018 – 11:00AM – 2:00PM
Westmorland Park, 4114 Tokay Boulevard
Field games/Barbeque picnic

**Protocols Recently Approved by the EMRC**

Jessica Schmidt, MD, MPH, James Svenson, MD, MS, and Julia Wilson: “Assessing the Feasibility and Barriers of a Diabetic Diet in a Rural Guatemalan Community”

Jessica Schmidt, MD, MPH, James Svenson, MD, MS, and Brandon Kim: “Evaluating the Impact of Triage on Pediatric Mortality at Mbale Regional Referral Hospital (MMRH)”

Manish N. Shah, MD, MPH, Brian Patterson, MD, MPH, Cynthia Carlsson, MD, MS, Rebecca Green, and Vanessa Cannaday: “Factors Associated with ED Use Among Patients with Varying Levels of Cognitive Impairment”

Michael Pulia, MD, MS: “Usefulness of Thermal Images in Diagnosing Cellulitis for Lower Extremity Complaints in the Emergency Department”

Aaron Kraut, MD, Lauren Sheehy, MD, and Brian Patterson, MD, MPH: “Evaluating the Effect of Resident Physicians in a Supervisory Role on Clinical Efficiency and Quality of Care”

**Studies Currently Enrolling in the ED**

**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.
Clinical Evaluation of the Omron Wheeze Detector Prototype and Algorithm among Children
The purpose of this study is to evaluate a new device that may be able to identify children from age 3 months to 13 years who may be wheezing. Participating patients will have their lung sounds recorded and then analyzed by this device and two physicians. For questions, see Dr. Michael Kim.

Screening in Trauma for Opioid Misuse Prevention (STOMP)
The purpose of this research is to develop and implement streamlined guidelines for opioid prescribing in trauma care. The study team will be conducting surveys in order to identify risk factors that may be useful in determining whether a patient is at risk for developing an opioid use disorder because of their use of opioid medications for pain management after an injury. Patients are eligible for this study if they are between the ages of 18 and 75, are in the Emergency Department because of an injury, and are expected to receive opioid prescription upon discharge. For questions, see Dr. Randy Brown.

New Faces

Gwen Jacobsohn
Geriatric EM Research Program Coordinator – Gwen received her PhD in Health Communications from the University of Illinois with a specialty in provider and family communication. She most recently completed a Primary Care Research Fellowship in Family Medicine here at UW-Madison and received a grant for her research regarding weight issues. Her work has also focused on stakeholder engagement, social determinants of health, and primary care research. In her free time, Gwen enjoys cooking, hiking, and spending time with her 14 year-old and 12 year-old children. Additionally, she and her husband own a local Lego store! She will be working closely with Dr. Shah on his R01 research program.
Her email is: gcjacobs@medicine.wisc.edu

Maggie O’Dell
Research Enroller – Maggie received her Bachelor’s degree in Political Science, Biology, and English from Marquette University. She most recently was as a Research Assistant at the Medical College of Wisconsin and at the University of Michigan as a remote worker. In addition to competing on the Marquette University Swim Team, Maggie enjoys playing various sports and watching Netflix – specifically Grey’s Anatomy. Her long-term goal is to become an epidemiologist and study cancer treatments, focusing on alternatives to chemotherapy. Maggie will be working closely with the EDRE group and Becky Schwei.
Her email is: meodell@medicine.wisc.edu

Ashaleigh Worrell
Student Research Assistant – Ashaleigh is currently a 2nd year student at the UW Madison College of Engineering where she is working towards her bachelor’s degree in Chemical Engineering. She is also an accomplished scholar, being named to the Dean’s list for the past 3 semesters, as well as the recipient of the Posse Foundation Leadership Scholarship. Among her many volunteer and research experiences, Ashaleigh notably serves as a STEM Student IMPaCT Peer Leader. Ashaleigh will be working on Dr. Shah’s R01 Community Paramedicine Study and will report to Gwen Jacobsohn.
Her email is: aworrell@wisc.edu
## Funded Research Studies

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<td>M. Kim</td>
<td>Ira and Ineva Reilly Baldwin Wisconsin Idea Endowment</td>
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<td>Health IT process for VTE</td>
<td>B. Patterson (Co-I)</td>
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<td>Preventing Future Falls among Older Adults</td>
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<td>Improving Antibiotic Stewardship for Long Term Care Facility Residents in the ED</td>
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<td>Improving Antibiotic Stewardship During the Treatment of Skin &amp; Soft Tissue Infections in the ED</td>
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<td>Identifying Barriers and Facilitators to the Implementation of Radiation-Free Imaging Protocols in the ED</td>
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<td>Teamwork &amp; Care Transitions in Pediatric Trauma: Implications for HIT Design</td>
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<td>Disseminating Child Abuse Clinical Decision Support to Improve Detection, Evaluation and Reporting</td>
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<td>Paramedic-Coached ED Care Transitions</td>
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Please send newsletter ideas and suggestions to Sharon West: slwest@medicine.wisc.edu