EDRC Program Ramps up Recruitment

A core mission of the Department of Emergency Medicine and UW Health is to perform research to improve the care delivered to patients. The ED Research Coordinator Program was established 2 years ago to support this mission by safely and efficiently recruiting ED patients and visitors into important research studies without interfering with the important, time-sensitive ED care. The Program has been exceptionally busy and successful over the last few months. It is now recruiting for 6 different studies, the most ever, including two studies from companies trying to develop products to help patients and four studies led by School of Nursing and School of Medicine & Public Health faculty trying to improve patient care. The Research Coordinators have successfully recruited almost 500 patients into those studies during the last 3 months after screening thousands of patients.

This recruitment success would not be possible without strong support from the whole team in the ED. The Research Coordinators, all of whom wear green scrub tops, understand that clinical care and patient safety take priority. They have been extensively trained to work efficiently and safely in the ED, and the research protocols that they follow have been carefully developed to minimize patient and staff burden. High quality communication between the research and clinical team is critical to successful research, so Research Coordinators frequently talk to members of the clinical team to evaluate patients’ eligibility for potential research studies and the appropriateness of approaching them. This bidirectional sharing of relevant information helps to facilitate the research process.

Thank you for supporting the ED Research Coordinators and research in the ED, so we can contribute to the DEM mission!
Dr. Michael Repplinger Wins Prestigious ASER Award

Congratulations to our own Michael Repplinger, MD, PhD on being awarded the Summa Cum Laude Award in recognition of the excellence of his paper presentation, titled "Diagnostic Accuracy of MR for the Evaluation of Acute Female Pelvic Pathology", at the ASER (American Society of Emergency Radiology) 30th Anniversary Scientific Meeting. It is awarded to the best research presentation at the conference, and highlights his dedication to the advancement of radiation-free imaging.

More about ASER

Dr. Michael Pulia Invited to PEW/CDC Event in Atlanta, GA

Our own Michael Pulia, MD, MS recently attended a benchmark, invite-only PEW/CDC event, The Role of Sociobehavioral Research in Addressing Inappropriate Antibiotic Use in Outpatient Healthcare Settings, on October 29-30, 2018 in Atlanta, GA. For this meeting, the Pew Charitable Trusts and the Centers for Disease Control and Prevention brought together experts in antibiotic stewardship and those who work on other public health issues to discuss innovative approaches that could be applied to outpatient stewardship. Inappropriate antibiotic use is a healthcare quality problem that contributes to the threat of antibiotic resistance in the United States. The majority of antibiotics in the United States are prescribed in outpatient settings, and at least 30% of these antibiotics are unnecessary. We are excited to have Dr. Pulia contribute his expertise towards this important initiative!

How Can You Help?

New Grant Funded

A new AHRQ grant titled “Engineering Safe Care Journeys for Vulnerable Older
Adults" has been funded. This $2.5 million grant, led by Pascale Carayon, PhD and Maureen Smith, MD, MPH, PhD and including Azita Hamedani, MD, MPH, MBA, Brian Patterson, MD, MPH, Mike Pulia, MD, MS and Manish Shah, MD, MPH aims to examine older adult ED patients with a fall or UTI to identify safety risks and address them. Congrats team!

Kudos to Colleagues

Our own Benjamin Schnapp, MD, MS recently completed his Masters in Education with a focus on health professional education through the University of Cincinnati. Started in 2015 as a part of his Medical Education Scholarship fellowship at Northwestern, he successfully presented his final project this July on the effects of financial incentives for improving In-Training Exam scores for residents. Cheers to your hard work Ben!

Recent Publications

Manuscripts:


Upcoming Events

VIP Grand Rounds (topics TBD)
November 15, 2019 - Amy Zosel, MD

Research Lecture
(Dissemination/Implementation research)
Thursday, November 1, 2018
9:30a.m.-9:50a.m.
Michael Repplinger, MD PhD

Journal Club (Global Health)
Tuesday, November 13, 2019
6:30p.m.-8:30p.m
Jim Svensen, MD, MS

Medical Student Research Forum
November 16, 2018
12:00p.m.-5:00p.m.
HSLC Atrium

GSA Conference
November 14 - 16, 2018
Boston, MA

Barbée Darby 10k - 5k run/walk
November 22, 2018 (Thanksgiving Day)
9:30a.m. Fitchburg, WI

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.

**Cobas® viveDx MRSA Clinical Performance Study Protocol**

The purpose of this study is to evaluate the performance of a new Roche investigational test that is designed to detect live MRSA in nasal samples collected from the nose in less than six hours. We will swab participants’ noses two times in each nostril and then the samples will be brought to the lab for analysis. For questions, see Dr. Manish Shah or Dr. Mike Pulia.

**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.

**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-Bykovskyi 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.

**New Faces**

**Edward (Eddie) Harwick**

**Student Research Assistant** - Eddie has joined Dr. Pulia’s research team and will report to Jessie Libber. He is currently a sophomore at UW-Madison majoring in neurobiology with special interests in biomedical technology, pharmacology, and genetics. After graduation, he hopes to attend medical school. In addition to his studies, Eddie enjoys fishing, basketball, reading, writing poetry, and is a 1st degree black belt.

His email is: harwick@wisc.edu

**Margaret Chwalinski**

**Student Research Assistant** - Margaret has joined Dr. Shah’s R01 research team and will report to Gwen Jacobsohn. She recently transferred to UW-Madison and is working towards her Bachelor’s in Psychology. After graduation, Margaret hopes to attend PA school. In addition to her interest in the healthcare field, Margaret also enjoys running and loves animals. She currently has 3 dogs and 2 cats!

Her email is: chwalinski@wisc.edu
Marvin Tan
Undergraduate Intern - Marvin has joined Dr. Patterson’s research team for the 2018 Fall and 2019 Spring semesters. This will assist him in earning credits toward his major in Computer Science (CS).
In addition to his interest in CS, Marvin enjoys drawing and watching Netflix.

His email is: mtan37@wisc.edu

Please send newsletter ideas and suggestions to Sharon West:
slwest@medicine.wisc.edu