Top Stories

Michael Pulia, MD, MS has been awarded a new two-year grant from the NIH and approved by the National Institute of Allergy and Infectious Diseases, which will go to pay off his student loans. The competitive Loan Repayment Program for dedicated researchers require a lengthy application and a rigorous review process. Congratulations Mike!

Michael Repplinger, MD, PhD and Scott Reeder, MD, PhD, faculty in Radiology, had their work on MRI for appendicitis mentioned in ACR news (American College of Radiology). Their study was also the focus of an article in HealthImaging (8/11, Pearson). HealthImaging reports that their research suggests “MRI is as good as CT at confirming or ruling out acute appendicitis in children, teens, and adolescents, and it doesn’t matter whether the reading radiologist is specialized in abdominal or pediatric practice”. The findings were published in American Journal of Roentgenology. Nice work Mike!

Manish Shah, MD, MPH was the August 2017 AGEM Author Spotlight. He was the focus of this accolade for his recent research and ongoing efforts to understand efficient and effective pre-hospital care for aging adults. Congratulations Manish!

The DEM Research Program Brochure has been finalized and is attached at the end of this newsletter. The brochures will be placed around the department and distributed to interested parties. Thank you to all that helped with this important project.
Marin Darsie, MD, has co-written a book “The Pocket Guide to Neurocritical Care”, and will be published by the Neurocritical Care Society in October 2017. This book is aimed at EM, Neurology, and Neurosurgery trainees and intensivists without a neurocritical care background who are managing neurological emergencies in the ED and Neuro ICU.

Recent Publications

Books:

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Manuscripts:


DOI: [http://dx.doi.org/10.4300/JGME-D-17-00055.1](http://dx.doi.org/10.4300/JGME-D-17-00055.1)


Janis Tupesis, MD presented at two conferences, Latvian Medical Association and Latvian Physicians Association, in Latvia in September 2017. He discussed his work at WHO and about GME development in low-middle income countries.
**Upcoming Deadlines and Events**

**VIP Grand Rounds (topics TBD)**  
October 19, 2017 – Sanjay Shewakramani, MD  
November 9, 2017 – Jeffrey Desmond, MD  
November 30, 2017 – Richard Levitan, MD  
December 7, 2017 – Vicki Noble, MD

**Journal Club**  
Tuesday, October 3, 2017 – 6:00p.m.-9:00p.m.  
Michael Kim, MD - “Anaphylaxis”

**Berbee Derby 10k - 5k run/walk**  
Thursday, November 23, 2017 – 9:00a.m. Fitchburg, WI  
Group: UW Emergency Medicine  
Discount Code: EMED2017

**National Conferences**  
October 29 - November 1, 2017 – [ACEP, Washington, D.C.](#)

**Research Day 2018** – March 15, 2018

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**New Faces**

**Ina Kansariwala**  
Ina graduated from the University of Wisconsin - Madison with a Bachelor of Science in Chemistry. She has previously worked in Family Medicine on nasal and musculoskeletal research studies. As an aspiring physician, she is looking forward to working with patients in a fast-paced environment. In her minimal free time, she partakes in the practice of self-care, focusing on health and wellness. Her email is: i[kansari@medicine.wisc.edu](mailto:i[kansari@medicine.wisc.edu](mailto:ikansari@medicine.wisc.edu))

**Rebecca Green**  
Rebecca is a recent graduate of UW-Madison and holds a Bachelor of Science in Neurobiology and French. Throughout her undergraduate career she worked in both a neuroscience research lab and helped run summer camps at the Wisconsin Center for Academically Talented Youth. She is currently a student in the Master of Public Health program and is working on a certificate in Clinical Research Foundations at UW-Madison. Her primary interests lie in clinical and translational research and the statistics that go along with it. In her free time, Rebecca likes to read, rollerblade, spend time outside, and cook for friends and family. Her email is: r[kgreen@medicine.wisc.edu](mailto:r[kgreen@medicine.wisc.edu](mailto:rkgreen@medicine.wisc.edu))
Apoorva Maru
Apoorva joined the DEM in September of 2017 as an Associate Research Specialist. He graduated from California State University, Fullerton with a bachelor’s in Biological Sciences and Sociology. During his undergraduate study, Apoorva was a Supervisor at the Social Science Research Center working on multiple policy-impacting projects ranging from transportation issues to childcare. Apoorva looks forward to his new role and is excited to learn valuable skills to help on his journey. Outside of work, Apoorva enjoys reading and spending time in nature. His email is: apmaru@medicine.wisc.edu

Varun Sah
Varun is a research assistant in DEM and a graduate student in the Department of Computer Sciences at UW-Madison, who got his undergraduate degree in Computer Science Engineering from BITS, Pilani in India. He is currently working with Dr. Brian Patterson and Prof. David Page on a collaborative project involving EHR and NLP based phenotyping and prediction. During his graduate studies, Varun has primarily been involved with projects involving feature engineering and predictive modelling. His expertise lies in applied machine learning, data science and software engineering. His email is: vsah2@wisc.edu

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.
## Funded Research Studies

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<thead>
<tr>
<th>Title</th>
<th>Investigators</th>
<th>Source</th>
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<td>Preventing Future Falls among Older Adults</td>
<td>B. Patterson (PI)</td>
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<td>Health IT process for VTE</td>
<td>B. Patterson (Co-I)</td>
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<tr>
<td>Improving Antibiotic Stewardship During the Treatment of Skin &amp; Soft</td>
<td>M. Pulia (PI)</td>
<td>AHRQ K08</td>
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<tr>
<td>Tissue Infections in the ED</td>
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<td>Improving Antibiotic Stewardship for Long Term Care Facility Residents</td>
<td>M. Pulia (PI)</td>
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<td>in the ED</td>
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<tr>
<td>Identifying Barriers and Facilitators to the Implementation of</td>
<td>M. Repplinger (PI)</td>
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<td>Radiation-Free Imaging Protocols in the ED</td>
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<td>Teamwork &amp; Care Transitions in Pediatric Trauma: Implications for</td>
<td>J. Ross (Co-I)</td>
<td>AHRQ R01</td>
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<tr>
<td>HIT Design</td>
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<tr>
<td>Paramedic-Coached ED Care Transitions</td>
<td>M. Shah (PI)</td>
<td>NIH/NIA R01 and Greater Rochester Health Foundation</td>
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<td>Mentoring and Research in Geriatric Emergency Care</td>
<td>M. Shah (PI)</td>
<td>NIH K24</td>
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<td>Interdisciplinary Trauma Simulation Program</td>
<td>R. Thompson (Co-I)</td>
<td>UW Foundation</td>
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Please send newsletter ideas and suggestions to Sharon West: slwest@medicine.wisc.edu
In 2016, ranked #14 nationally in NIH funding among Departments of Emergency Medicine

Two faculty members ranked among the top 70 NIH-funded EM researchers in 2016; with one in the top 20.

Current external grants have been awarded by federal, foundation, and industry sources, with research expenditures exceeding $1 million per year.

Numerous undergraduate, medical, and graduate students are integrated into the research team.

Resident research is actively supported, with a broad range of opportunities.

Department support of a two-year SAEM-approved Research Fellowship, which includes a Master’s of Science in Clinical Investigation degree.

Conducting innovative clinical and translational emergency care research to advance the health of the people of Wisconsin and beyond.
To advance emergency care, we must perform high quality research. However, we have recognized the challenge of performing research in the busy and time-sensitive ED. Thus, we have created the ED Research Enroller (EDRE) Program, which places highly trained staff members in the ED to screen and enroll patients who qualify for ongoing studies, as well as complete research protocols including surveys and simple procedures.

The EDRE Program is available for researchers across the University of Wisconsin campus and has already worked with investigators to support a wide range of research studies. These studies have been funded by federal, foundation, and industry sources. We believe that the EDRE Program has the following clear benefits:

- Improved ability to identify and enroll subjects
- Improved study adherence and data quality
- Improved human subject protections by separating research from clinical care
- Improved interface with the clinical setting

Recognizing the importance of the EDRE Program, the UW Institute for Clinical and Translational Research has awarded a Novel Methods Pilot Award to support this Program.

For more information on the EDRE Program, please visit our website or call us at (608) 263-6690.