



2018 Annual Report

Division of Pediatric Emergency Medicine

DIVISION DESCRIPTION

The mission of the Pediatric Emergency Medicine Program at the University of Wisconsin School of Medicine and Public Health and American Family Children's Hospital is to advance pediatric emergency care through high-quality patient and family-centered care, innovative research, advocacy and education.

We train future leaders in pediatric emergency medicine, serve as an educational resource for healthcare providers and the community and promote children's health and safety through advocacy and public awareness.

Through innovative research on injury prevention, EMS education, acute pain management, patient simulation, as well as quality improvement and patient safety, we advance the discipline of pediatric emergency care throughout Wisconsin and beyond.

2018 HIGHLIGHTS

- **Jamie Hess, MD**, was named a 2018 Young Educator of the Year by the Clerkship Directors in Emergency Medicine (CDEM), an Academy of the Society for Academic Emergency Medicine (SAEM). She was also appointed the Director of Quality, Patient Safety and Interprofessional Education for the University of Wisconsin School of Medicine and Public Health.
- As co-chair of Wisconsin Emergency Medical Services for Children, **Michael Kim, MD**, has directly impacted policy and practices across the state, improving emergency care to children in all emergency departments.

Dr. Kim was also awarded a Baldwin Endowment Grant for "Medical Education and Discovery Course"

- **Joshua Ross, MD**, in collaboration with the American Family Children's Hospital child advocacy team and David Feldstein, MD, in the Department of Medicine Division of General Internal Medicine, became a co-investigator on "EHR-based Child Abuse-Clinical Decision Support Screening." In this Patient-Centered Outcomes Research Institute grant (PI: Rachel Berger, AB, MD, MPH, University of Pittsburgh Department of Pediatrics), Dr. Ross will implement clinical decision support tools to improve the identification of abused children in the pediatric emergency department.
- 2018 marked the first complete year in which the American Family Children's Hospital pediatric emergency department was staffed with 24/7 child life services, allowing for a more complete healing experience for all our pediatric patients.

- The division developed and successfully implemented a pediatric observation unit to better serve patients' unique hospitalization needs and more efficiently and cost effectively get them home as soon as they are well enough.
- The division undertook quality improvement efforts to safely improve management of patients with neutropenic fever, improve efficiency of asthma care, improve patient-centered pain care through implementation of a nursing driven nitrous oxide program. It also initiated efforts to standardize pediatric emergency care across UW Health.

RECENT PUBLICATIONS

Flynn KE, Kliems H, Saoji N, **Svenson J**, Cox ED. Content validity of the PROMIS® pediatric family relationships measure for children with chronic illness. *Health Qual Life Outcomes*. 2018 Oct 19;16(1):203. doi: 10.1186/s12955-018-1030-8. PubMed PMID: 30340500; PubMed Central PMCID: PMC6194608.

Kraut A, Tillman D, Barclay-Buchanan C, **Hess J**, Hamedani A, Jennett B, Cordoba S, Westergaard M. The Continuous Residency Improvement Committee - A Novel Twist for Program Evaluation at an Academic Emergency Medicine Residency Program. *J Ed Teach Emerg Med*. 2018 3(3):11-26. doi: <https://doi.org/10.21980/J8SD17>.

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Hose BZ, Carayon P, Wooldridge A, Brazelton T, Dean S, Eithun B, Kelly M, Kohler J, **Ross J**, Rusy D, Gurses A. Challenges of disposition decision making for pediatric trauma patients in the emergency department. In: Bagnara S, Tartaglia R, Albolino S, Alexander T, Fujita Y, eds. *Proceedings of the 20th Congress of the International Ergonomics Association (IEA 2018)*. IEA 2018. *Advances in Intelligent Systems and Computing*, vol 818. Springer, Cham. https://doi.org/10.1007/978-3-319-96098-2_44.

Merritt C, Daniel M, Munzer BW, Nocera M, **Ross JC**, Santen SA. A cognitive apprenticeship-based faculty development intervention for emergency medicine educators. *West J Emerg Med*. 2018 Jan;19(1):198-204. doi: 10.5811/westjem.2017.11.36429. Epub 2017 Dec 18. PubMed PMID: 29383081; PubMed Central PMCID: PMC5785194.

Patterson BW, Repplinger MD, Pulia MS, Batt RJ, **Svenson JE**, Trinh A, Mendonça EA, Smith MA, Hamedani AG, Shah MN. Using the Hendrich II inpatient fall risk screen to predict outpatient falls after emergency department visits. *J Am Geriatr Soc*. 2018 Apr;66(4):760-765. doi: 10.1111/jgs.15299. Epub 2018 Mar 6. PubMed PMID: 29509312; PubMed Central PMCID: PMC5937931.

Paul CR, Keeley MG, **Rebella GS**, Frohna JG. Teaching Pediatric Otoscopy Skills to Pediatric and Emergency Medicine Residents: A Cross-Institutional Study. *Acad Pediatr*. 2018 Aug;18(6):692-697. doi: 10.1016/j.acap.2018.02.009. Epub 2018 Feb 27. PubMed PMID: 29499380.

Sullivan S, Campbell K, **Ross JC**, Thompson R, Underwood A, LeGare A, Osman I, Agarwal SK, Jung HS. Identifying nontechnical skill deficits in trainees through interdisciplinary trauma simulation. *J Surg Educ*. 2018 Jul - Aug;75(4):978-983. doi: 10.1016/j.jsurg.2017.10.007. Epub 2017 Nov 16. PubMed PMID: 29100919; PubMed Central PMCID: PMC5955804. **

Zhang A, Yocum RM, Replinger MD, Broman AT, **Kim MK**. Factors Affecting Family Presence During Fracture Reduction in the Pediatric Emergency Department. *West J Emerg Med*. 2018 Nov;19(6):970-976. doi: 10.5811/westjem.2018.9.38379. Epub 2018 Oct 18. PubMed PMID: 30429929; PubMed Central PMCID: PMC6225943.

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