

## Stephanie Ruest, MD, MPH, FAAP

593 Eddy Street, Claverick 2  
Department of Pediatric Emergency Medicine  
Providence, RI 02903  
Work: 401-444-2583  
[Stephanie.Ruest@brownphysicians.org](mailto:Stephanie.Ruest@brownphysicians.org)  
[Stephanie\\_Ruest@brown.edu](mailto:Stephanie_Ruest@brown.edu)

### **EDUCATION**

Undergraduate Emmanuel College, Boston, MA, Biology and Psychology, Bachelor of Science, 05/2006, Magna cum laude with distinction in the field

Medical School University of Massachusetts Medical School, Worcester, MA, Doctor of Medicine (MD), 06/2011, Alpha Omega Alpha

Other Advanced Degrees Brown University School of Public Health, Providence, RI, Master of Public Health (MPH), 05/2017

### **POSTGRADUATE TRAINING**

Residency Massachusetts General Hospital for Children, Boston, MA, Pediatrics Residency, 06/2011-06/2014

Chief Residency Massachusetts General Hospital for Children, Boston, MA, Pediatric Chief Resident, 06/2014-06/2015

Fellowship Hasbro Children's Hospital, Providence, RI, Pediatric Emergency Medicine Fellowship, 07/2015-06/2018

### **HONORS AND AWARDS**

2022 Department of Emergency Medicine PEM Rising Star Faculty Award

2019 Division of Pediatric Emergency Medicine Director's Clinical Excellence Award

2017 Pediatric Emergency Medicine Fellow Teaching Award, Hasbro Children's Hospital

2016 AAP National Exhibition poster chosen for national media release; covered by Medscape, US News and World Report, Infectious Diseases in Children, and over 20 additional news sources in the US and abroad

2014 Massachusetts General Hospital Research Day poster awarded Best in Show for a resident led study in the Department of Pediatrics

2011 Alpha Omega Alpha Honor Society, University of Massachusetts Medical School

2011 New England Pediatric Society Award

2011 Massachusetts Medical Society Scholars Award

2011 UMass Medical School Department of Pediatrics Achievement Award

### **PROFESSIONAL LICENSES AND BOARD CERTIFICATIONS**

2019 American Board of Pediatrics, Pediatric Emergency Medicine

2014 American Board of Pediatrics, General Pediatrics

2018 Rhode Island Full Medical License, expires June 2024

2017 Rhode Island Federal DEA License, expires April 2024

2018 Rhode Island Controlled Substances License, expires June 2024

## **CERTIFICATIONS**

2019 Advanced Trauma Life Support (ATLS), expires July 13, 2027

2023 Pediatric Advanced Life Support (PALS), expires June 2025

## **CURRENT ACADEMIC APPOINTMENTS**

07/2018 – Present Assistant Professor of Emergency Medicine and Assistant Professor of Pediatrics, Research Scholar Track, Warren Alpert Brown School of Medicine, Hasbro Children's Hospital, Providence, RI

## **CURRENT HOSPITAL APPOINTMENTS**

07/2018 – Present Pediatric Emergency Medicine Attending Physician, Division of Pediatric Emergency Medicine, Hasbro Children's Hospital, Providence, RI

## **PREVIOUS HOSPITAL AND ACADEMIC APPOINTMENTS**

07/2015 – 6/2018 Pediatric Emergency Medicine Fellow, Hasbro Children's Hospital, Providence, RI

07/2015 – 6/2018 Teaching Fellow, Warren Alpert Brown School of Medicine, Providence, RI

07/2015 – 5/2018 Courtesy Staff, Clinical Associate, Pediatrics, Massachusetts General Hospital, Pediatrics, Boston, MA

12/2015 – 5/2018 Staff Physician, Clinical Associate, Pediatrics, Norwood Hospital/MGH, Norwood, MA

12/2016 – 5/2018 Staff Physician, Clinical Associate, Pediatrics, Morton Hospital, Taunton, MA

06/2014 - 06/2015 Staff Physician, Department of Pediatrics, Assistant in Pediatrics, Pediatric Inpatient Hospitalist & Pediatric Urgent Care Center, Massachusetts General Hospital for Children, Boston, MA

06/2014 - 06/2015 Clinical Fellow in Pediatrics, Harvard Medical School, Boston, MA

## **HOSPITAL COMMITTEE SERVICE**

9/2023 – Present *Hasbro Children's Hospital Division of Child Protection Research Advisory Committee and Quality Improvement Liaison*

Hasbro Children's Hospital, Providence, RI

- Meet with child protection faculty and fellows quarterly to review all ongoing research projects and proposals to provide feedback.
- Engage as an active contributor to study design and proposals for child abuse pediatrics fellows' scholarly activities.
- Communicate regularly with child protection faculty about case reviews for quality improvement purposes with the goal of developing or improving upon current institutional guidelines for the evaluation of child abuse and neglect.

9/2020 – 8/2022 *Hasbro Children's Hospital Trauma Triage Criteria Sub-Committee*

Hasbro Children's Hospital, Providence, RI

- Member of a multidisciplinary subgroup of the larger Pediatric Trauma Committee that evaluates recent literature and completes evidence-based updates to the level 1 trauma center pediatric trauma triage and activation criteria. Also responsible for dissemination of information and providing education to emergency staff.

- 7/2017 – Present *Hasbro Children’s Hospital Trauma Committee Pediatric Emergency Medicine Liaison*  
 Hasbro Children’s Hospital, Providence, RI
- Serve as the primary pediatric emergency medicine liaison for the multidisciplinary committee that meets monthly to review pediatric traumas and protocols. Responsible for interdisciplinary communication and updates, review and revision of protocols and guidelines, and planning/leading multidisciplinary simulations and educational activities.
  - Provide feedback to EMS departments about pre-hospital pediatric trauma care of transported patients.
  - Spend, on average, 1-2 hours per week reviewing trauma cases, providing feedback and performing QI related to pediatric traumas.
- 9/2018 – Present *Hasbro Children’s Hospital Pediatric Trauma Symposium Planning Committee*  
 Hasbro Children’s Hospital, Providence, RI
- Member of a multidisciplinary group that meets monthly to develop and plan the annual pediatric trauma symposium, attended by > 250 prehospital providers, advanced practice providers, nurses, and physicians from Rhode Island, Massachusetts, and Connecticut.
- 8/2012 - 6/2015 *Pediatric DRIVE (Designing Residency Innovation, Vision, and Education) Committee*  
 Massachusetts General Hospital for Children, Boston, MA
- Member of a residency curriculum development committee that met quarterly to discuss curriculum, residency education, and feedback.
- 11/2013 - 3/2015 *Pediatrics residency program selection committee*  
 Massachusetts General Hospital for Children, Boston, MA
- Interviewed multiple applicants each week during recruitment season, reviewed individual applications, and participated in selection committee meetings.
- 11/2013 - 6/2015 *Emergency Department Medication Dosing Card Committee*  
 Massachusetts General Hospital for Children, Boston, MA
- Worked with a group of physicians and pharmacists to generate a practical MGH-specific medication dosing reference card for commonly used medications in the pediatric emergency department.
- 4/2014 - 6/2015 *Department of Pediatrics Grand Rounds Committee*  
 Massachusetts General Hospital for Children, Boston, MA
- Met biannually to plan departmental Grand Rounds lectures and review feedback, and was personally responsible for inviting, scheduling and confirming visiting lecturers for the year.
- 6/2014 - 6/2015 *Quality and Safety Operations Lead Team*  
 Massachusetts General Hospital for Children, Boston, MA
- Attended monthly departmental multidisciplinary committee meetings to discuss active quality improvement initiatives.
- 6/2014 - 6/2015 *Quality and Safety Executive Committee*  
 Massachusetts General Hospital for Children, Boston, MA
- Member of a committee made up of the vice chair and medical director of Massachusetts General Hospital for Children, staff physicians, clinical nurse specialists, and administrators that met 1-2 times per month to review safety reports and safety data, identify overarching or systems related issues and generate practice changes and initiatives to decrease medical errors and increase patient safety.
- 6/2014 - 6/2015 *Preventing Pediatric Medical Errors Committee (PPME)*

Massachusetts General Hospital for Children, Boston, MA

- Member of a multidisciplinary committee that met monthly to review pediatric medication safety reports and identify systems-based medication related issues, in addition to developing and disseminating initiatives to reduce or eliminate medication errors.

9/2014 - 6/2015 *Injury Prevention Committee*

Massachusetts General Hospital for Children, Boston, MA

- Participated in monthly multidisciplinary committee meetings focused on reviewing and generating injury prevention research projects and initiatives.

11/2014 - 1/2015 *Oral Electrolytes Dosing Committee*

Massachusetts General Hospital for Children, Boston, MA

- Initiated and chaired a subcommittee of the PPME Committee, leading a multidisciplinary group of residents and pharmacists to generate recommendations and guidelines for the indications and dosing of oral electrolyte repletion in pediatric patients.

### **FOUNDATION SERVICE**

2022 – Present *Brown Emergency Medicine Compensation Committee*

BPI Emergency Medicine, Providence, RI

### **REGIONAL COMMITTEE SERVICE**

Jan 2020 – Present *Massachusetts Chapter of the American Academy of Pediatrics Committee on Child Abuse, Neglect*

- Member of committee of physicians focused on improving the care provided of children in foster care and supporting state-wide advocacy and legislative causes. Meets quarterly.

### **NATIONAL COMMITTEE SERVICE**

April 2020 – Present *Pediatric Emergency Medicine Care Applied Research Network (PECARN) Child Abuse and Neglect Research Interest Group*

- Member of collaborative group of physicians nationwide working together to develop and implement large-scale research studies and interventions focused on child abuse and neglect. Meets bi-monthly.

April 2020 – Present *Pediatric Emergency Medicine Care Applied Research Network (PECARN) Injury Prevention Interest Group*

- Member of collaborative group of physicians nationwide working together to develop and implement large-scale research studies and interventions focused on pediatric injuries and injury prevention. Meets bi-monthly.

### **ACTIVE MEMBERSHIP IN PROFESSIONAL SOCIETIES**

American Academy of Pediatrics

2016 – Present

*Council on Injury, Violence & Poison Prevention (COIVPP)*

11/2021 – Present

*Council on Child Abuse and Neglect (COCAN)*

11/2021 - Present

*Emergency Medicine Section*

2017 - 2018; 2/2021 - Present

*Section on Early Career Physicians*

8/2019 – Present

*Massachusetts Chapter*

6/2016 – Present

American College of Emergency Physicians

2/2017 - Present

*Rhode Island Chapter*

*Pediatric Emergency Medicine Section*

Rhode Island Medical Society

9/2020 – Present

## **PUBLICATIONS LIST**

### **ORIGINAL PEER REVIEWED PUBLICATIONS**

Jimenez-Chillaron JC, Hernandez-Valencia M, Lightner A, Faucette RR, Reamer C, Przybyla R, **Ruest S**, Barry K, Otis JP, Patti ME. Reductions in Caloric Intake and Early Postnatal Growth Prevent Low Birth Weight-Associated Glucose Intolerance and Obesity. *Diabetologia*. 2006 Aug; 49(8): 1974-1984. Cited in PubMed; PMID: 16761107

**Ruest S**, Stephan A, Masiakos PT, Biddinger PD, Camargo CA, Kharasch S. Substance Use Patterns and In-Hospital Care of Adolescents and Young Adults Attending Music Concerts. *Addict Sci Clin Pract*. 2018;13:1. PMID: 29370875

Rubinstein M, **Ruest S**, Amanullah S, Gjelsvik A. Parental Identification of a Regular Primary Care Provider is Associated with Improved Markers of Well-Being among Children with Attention Deficit Hyperactivity Disorder. *Clin Pediatr*. 2018 Aug;57(9):1086-1091. doi: 10.1177/0009922818755119. Epub 2018 Jan 30. PMID: 29380624.

**Ruest S**, Gjelsvik A, Rubinstein M, Amanullah S. The Inverse Relationship between Digital Media Exposure and Childhood Flourishing. *J Pediatr*. 2018 June;197:268-274. PMID: 29398051

**Ruest S**, Kannan G, Moore J, Goldberg A. The Prevalence of Incidental Rib Fractures Identified on Chest X-ray Among Infants and Toddlers Aged 0-2. *J Pediatr*. Epub ahead of print October 5, 2018. PMID 30297294

**Ruest S**, Kanaan G, Moore JL, Goldberg AP. Pediatric Rib Fractures Identified by Chest Radiograph: A Comparison Between Accidental and Nonaccidental Trauma. *Pediatr Emerg Care*. 2021 Dec 1;37(12):e1409-e1415. doi: 10.1097/PEC.0000000000002061. PMID: 32371752.

Donner J, **Ruest S**. Neonate with Seizures After Consuming Star Anise Tea. *R I Med J* (2013). 2021 Oct 1;104(8):8-10. PMID: 34582506.

Mello MJ, Baird J, Bromberg JR, Spirito A, Zonfrillo MR, Lee LK, Christison-Lagay ER, **Ruest SM**, Pruitt CW, Lawson KA, Kiragu AW, Nasr I, Aidlen JT, Ebel BE, Maxson RT, Scott K, Becker SJ. Variability in opioid pain medication prescribing for adolescent trauma patients in a sample of US pediatric trauma centers. *Trauma Surg Acute Care Open*. 2022 Apr 26;7(1):e000894. doi: 10.1136/tsaco-2022-000894. PMID: 35558645; PMCID: PMC9045113.

Bromberg, J. R., E. Nimaja, A. W. Kiragu, K. A. Lawson, L. Lee, I. W. Nasr, C. Pruitt, **S. M. Ruest**, and M. J. Mello, "Developing and Implementing Electronic Consent Procedures in Response to Covid-19 Restrictions," *Ethics & Human Research* 44, no. 4 (2022): 39-44. DOI: 10.1002/eahr.500135

Fraser Doh K, Chaudhary S, **Ruest S**, Shaahinfar A, Chun T, Cooper N, Fein J, Feng A, Feske-Kirby K, Figueroa J, Gutman C, Grupp-Phelan J, Kanan G, Keathley N, Khan N, McGlamry K, Myers S, Nance M.L., Russell K, Rowker K, Sheline E, Simon H.K., Morris, CR. Variability in Firearm Injury among Major Pediatric Trauma Centers Across the United States *Trauma Surgery & Acute Care Open* Accepted April 2023.

### **ACCEPTED FOR PUBLICATION:**

Hanson HR, Formica M, Laraque-Arena D, Zonfrillo MR, Desai P, O'Neil JO, Unni P, Johnson EL, Cobb P, Agarwal M, Beckworth K, Schroter S, Strotmeyer S, Donnelly KA, Middelberg LK, Morse AM, Dodington J, Latuska RF, Anderson B, Lawson KA, Ferguson M, Levas MN, Kiragu AW, Monroe K, **Ruest SM**, Lee, LK, Stewart TC, Attridge MM, Haasz M, Jafri M, McIntire A, Rogers SC, Uspal NG, Blanchard A,

Hazeltine MD, Riech T, Jennissen C, Model L, Fu Q, Clukies L, Juang D, Ruda MT, Prince JM, Chao S, Yorkgitis BK, Pomerantz WJ, For the Injuries During COVID IFCK Study Group. A Multicenter Evaluation of Pediatric Emergency Department Injury Visits During the COVID-19 Pandemic. Accepted for publication, *Injury Epidemiology*.

Ruest S, Beucher M. A case of child abuse presenting with traumatic chylothorax. *RIMJ*. Accepted for publication 9/2023.

Mello MJ, Lee LK, Christinson-Lagay E, Spirito A, Becker S, Bromberg J, **Ruest S**, Zonfrillo MR, Scott K, Pruitt C, Lawson K, Nasr I, Aidlen J, Baird J. Counseling for opioids prescribed at discharge of hospitalized adolescent trauma patients. Accepted for publication, *Injury Epidemiology*, 10/2023.

### **SUBMITTED AND UNDER REVIEW:**

Ferro S, Robillard R, Swartz Topor L, Ruest S. Severe Diabetic Ketoacidosis in an Infant with Paternally Inherited Neonatal Diabetes. *Pediatrics*. Submitted 8/29/23 and under review.

Ruest S, Hanson HR, Huran N, Kiragu A, Lee LK, Zonfrillo MR, Pomerantz WJ. The impact of COVID-19 on patterns of fractures presenting to pediatric emergency departments. *Acad Pediatr*. Submitted 8/29/23 and under review.

Kelli Scott; Michael J Mello; Geraldine Almonte; Emely Arenas Lemus; Julie Bromberg; Janette Baird; Anthony Spirito; Mark R Zonfrillo; Karla Lawson; Lois K Lee; Emily Christison-Lagay; **Stephanie Ruest**; Jeremy Aidlen; Andrew Kiragu; Charles Pruitt; Isam Nasr; Todd Maxson; Beth Ebel; Sara J Becker. A Qualitative Analysis of SBIRT Implementation Using the Science to Service Laboratory Implementation Strategy. *Implementation Science Communication*. Submitted October 2023.

### **CONTRIBUTIONS TO PEER-REVIEWED CLINICAL RESEARCH PUBLICATIONS, PARTICIPATION CITED, BUT NOT BY AUTHORSHIP:**

Chaiyachati BH, Wood JN, Carter C, Lindberg DM, Chun TH, Cook LJ, Alpern ER; PECARN Registry Study Group and **PECARN Child Abuse Special Interest Group**. \* Emergency Department Child Abuse Evaluations During COVID-19: A Multicenter Study. *Pediatrics*. 2022 Jul 1;150(1):e2022056284. doi: 10.1542/peds.2022-056284. PMID: 35707943. \*Member of the PECARN Child Abuse Special Interest Group, provided feedback and edits to manuscript.

### **OTHER PEER REVIEWED PUBLICATIONS**

Allister LA, **Ruest SM**. A Systematic Approach to the Evaluation of Acute Unexplained Crying in Infants in the Emergency Department. *Pediatr Emerg Med Pract*. 2014 Mar;11(3):1-17; PMID: 24724214

**Ruest S**, Anderson A. Management of acute pediatric pain in the emergency department. *Curr Opin Pediatr*. 2016 Jun;28(3):298-304. PMID 26974975

Gardner K, **Ruest S**, Cummings B. Diagnostic Uncertainty and Ethical Dilemmas in Medically Complex Pediatric Patients and Psychiatric Boarders. *Hosp Pediatr*. 2016 Nov;6(11):689-692; PMID: 27803074

**Ruest S**, Amanullah, S, Valente, J. Fever Pitch. Febrile Seizures. *Critical Decisions in Emergency Medicine*. 2016 Dec;30(12):13-19.

### **CLINICAL GUIDELINES AND REPORTS**

**Ruest S**, Grossman N, Brettler D. (2012, 2013, 2014, 2015) *Acute Complications of Sickle Cell Anemia, an Algorithm*. Domino FJ (Ed.), The 5-Minute Clinical Consult 2015, Philadelphia: Lippincott Williams and Wilkins.

### **BOOK CHAPTER, SUBMITTED**

Wing R & Ruest S. Medical Child Abuse (Munchausen by Proxy or Factitious Illness by Proxy). In Fleisher and Ludwig (3rd Edition) The 5-Minute Pediatric Emergency Medicine Consult 2023. Philadelphia, PA: Wolters Kluwer Health. Submitted Jan 2023.

### **ABSTRACTS, POSTER PRESENTATIONS AND EXHIBITS PRESENTED AT PROFESSIONAL MEETINGS**

Jimenez-Chillaron JC, Faucette RR, Jeddelloh JA, Reamer C, Barry K, **Ruest S**, Patti ME. Intergenerational programming of birth weight: potential links to placental expression of paternally imprinted genes. Poster presentation: International Meeting on Genomic Imprinting, Development and Disease; Oxford, United Kingdom. April 2005.

**Ruest S**, DeSilva T, Rosenberg P. Glutamate Transporter GLT1b - Regulation by Phosphorylation? Poster presentation: Eastern New England Biology Conference; Boston, MA. May 2006.

Jimenez-Chillaron JC, Gesta S, Isganaitis E, Otis JP, Faucette RR, Reamer C, Barry K, **Ruest S**, Patti ME. Intergenerational effects of fetal programming: Potential role of the imprinted gene Pref1 for the inheritance of obesity. Poster presentation: Endocrine Society 88th Annual Meeting; Boston, MA. June 2006.

**Ruest S**, Masiakos PT, Biddinger PD, Kharasch S. Concert Medicine: The impact of large concert events on emergency room volume. A review of over 50 concerts. Poster presentation: Massachusetts General Hospital Clinical Research Day; Boston, MA. October 9, 2014. *Awarded Best in Show for a Resident Led Study for the Department of Pediatrics*.

**Ruest S**, Masiakos PT, Biddinger PD, Camargo CA, Chang Y, Kharasch S. Concert Medicine: The impact of large concert events on emergency room volume. A review of over 50 concerts. Poster presentation: Massachusetts General Hospital for Children Research Day, Boston, MA. March 17, 2015.

**Ruest S**, Masiakos PT, Biddinger PD, Camargo CA, Chang Y, Kharasch S. Concert Medicine: The impact of large concert events on emergency room volume. A review of over 50 concerts. Poster presentation: Massachusetts General Hospital for Children Research Day, Boston, MA. March 17, 2015.

**Ruest S**. Digital Media Exposure in School-Aged Children Decreases the Frequency of Homework Completion in a Dose Dependent Manner. Poster presentation: Brown University School of Public Health. Providence, RI. May 2016.

**Ruest S**. Substance use patterns and the severity of intoxication among adolescents and young adults attending music concerts. Poster presentation: Brown University School of Public Health. Providence, RI, September 15, 2016.

**Ruest S**, Rubinstein M, Gjelsvik A. Digital Media Exposure in School-Aged Children Decreases the Frequency of Homework Completion in a Dose Dependent Manner. Poster presentation: American Academy of Pediatrics National Exhibition. October 21, 2016. **Selected by AAP for national press release and media highlight.**

Rubinstein M, **Ruest S**, Gjelsvik A. Parental Identification of a Primary Medical Provider is Associated with Improved Ability to Finish Tasks in Children with Attention Deficit Hyperactivity Disorder. Poster presentation: American Academy of Pediatrics National Exhibition. October 22, 2016.

**Ruest S**, Stephan A, Masiakos PT, Biddinger PD, Camargo CA, Kharasch S. Substance Use Patterns and In-Hospital Care of Adolescents and Young Adults Attending Music Concerts. Poster presentation: Pediatric Academic Societies Meeting. May 6, 2017.

**Ruest S**, Kanaan G, Moore, J, Goldberg A. The prevalence of incidentally identified rib fractures in infants by chest x-ray. Poster Presentation: Helfer Society Annual Meeting, April 2018.

**Ruest S**, Kanaan G, Moore, J, Goldberg A. The prevalence of rib fractures incidentally identified by chest x-ray among infants and toddlers. Poster presentation: Brown University Emergency Medicine Research Day. May 23, 2018.

**Ruest S**, Kanaan G, Moore, J, Goldberg A. The prevalence of rib fractures incidentally identified by chest x-ray among infants and toddlers. Poster presentation: Brown University Pediatric Research Day. September 12, 2018.

Doh KF, Chaudhary S, **Ruest S**, Shaahinfar A, et al. Characteristics of Pediatric Firearm Injury at Four Children's Hospital Systems from 2003-2018: Regional Trends in Gun Violence  
PAS Abstract: Spring 2020  
PAS Platform Session: Public Health & Prevention: Opioids, Marijuana, and Firearms.  
**Delayed due to Covid-19**

Doh KF, Chaudhary S, **Ruest S**, Shaahinfar A, et al. Characteristics of Pediatric Firearm Injury at Four Children's Hospital Systems from 2003-2018: Regional Trends in Gun Violence  
Injury Free Coalition for Kids National Conference: Fall 2020  
**Delayed due to Covid-19**

**Ruest S**, Duffy S, Corcoran C, Nguyen L, Brug A, Kovocikova I. An Emergency Department-Based Electronic Food Insecurity Screening Program. 2022 AAP Conference, October 8, 2022. Poster Presentation: Section on Emergency Medicine.

**Ruest S**, Duffy S, Corcoran C, Nguyen L, Brug A, Kovocikova I. An Emergency Department-Based Electronic Food Insecurity Screening Program. Community Access to Child Health (CATCH) Virtual Poster and Video Town Hall. Opportunity to showcase our project during a virtual poster and video hall which will be promoted to a broad national audience that includes District leaders, Chapter leadership including Chapter Presidents, Chapter Vice Presidents, and Chapter Executive Directors; national AAP Committees/Sections/Councils; and AAP members. October 2022.

**Ruest S**, Kovacikova I, Brug A, Nguyen L, Corcoran C, Duffy S. A Pediatric Emergency Department-Based Electronic Food Insecurity Screening Program. Poster Presentation: Hasbro Children's Hospital Pediatric Scholarship Day. October 24, 2022.

**Ruest S**. with the IAMSIRT Study Team. Opioid prescribing and counselling in hospitalized adolescent trauma patients. Injury Free Coalition for Kids National Conference, Dec 2-4, 2022, Ft Lauderdale, FL. Platform presentation, Assessing Injury Risk session.



**Ruest S**, Flynn-O'Brien K, Georgeades C, Hanson H, Johnson L, Kiragu AW, Ruda MT, Pomerantz WJ. The Impact of COVID-19 on Burns Presenting to Pediatric Emergency Departments (EDs). Pediatric Academic Societies National Conference. Poster presentation, Pediatric Academic Societies National Meeting, April 2023.

**Ruest S**, Charyk Stewart T, Clukies L, Farrell C, Hanson H, Laraque-Arena D, Lawson KA, Pomerantz WJ. The Impact of COVID-19 on Child Abuse Cases Presenting to Pediatric Emergency Departments (EDs). Pediatric Academic Societies National Conference. Poster presentation, Pediatric Academic Societies National Meeting, April 2023.

**Ruest S**, Hanson H, Kiragu AW, Lee LK, Pomerantz WJ. The Impact of COVID-19 on Fractures Presenting to Pediatric Emergency Departments (EDs). Pediatric Academic Societies National Conference. Poster presentation, Pediatric Academic Societies National Meeting, April 2023.

Hanson HR, Formica M, Laraque-Arena D, Zonfrillo MR, Desai P, O'Neil JO, Unni P, Johnson EL, Cobb P, Agarwal M, Beckworth K, Schroter S, Strotmeyer S, Donnelly KA, Middelberg LK, Morse AM, Dodington J, Latuska RF, Anderson B, Lawson KA, Ferguson M, Levas MN, Kiragu AW, Monroe K, **Ruest SM**, Lee, LK, Stewart TC, Attridge MM, Haasz M, Jafri M, McIntire A, Rogers SC, Uspal NG, Blanchard A, Hazeltine MD, Riech T, Jennissen C, Model L, Fu Q, Clukies L, Juang D, Ruda MT, Prince JM, Chao S, Yorkgitis BK, Pomerantz WJ, For the Injuries During COVID IFCK Study Group. A Multicenter Evaluation of Pediatric Emergency Department Injury Visits During the COVID-19 Pandemic. Pediatric Academic Societies National Conference. Oral platform presentation, Pediatric Academic Societies National Meeting, April 2023.

Menk PT, Mahabee-Gittens EM, **Ruest S**, Agarwal M, Mullins H, Curtis E, Pomerantz WJ, Hanson HR. Pediatric Dog Bites Injuries across the United States During the COVID-19 Pandemic. Pediatric Academic Societies National Conference. Poster presentation, Pediatric Academic Societies National Meeting, April 2023.

**Ruest S**, Nguyen L, Duffy S, Corcoran C. A Pediatric Emergency Department-Based Food Insecurity Intervention. Brown University School of Public Health, Public Health Research Day. April 4, 2023.

#### **ABSTRACTS ACCEPTED, PENDING PRESENTATION**

**Ruest S** with the IAMSBI RT Study Team. *Keeping Conversations about Alcohol and Drugs Going*. Submitted 5/31/23 for 2023 Injury Free Coalition for Kids National Conference.

**Ruest S**, Rudman W, Eickhoff C, Duffy S. *Characteristics of Pediatric Emergency Department Encounters for Fractures Concerning for Abuse*. Poster and Platform Presentation, scheduled December 2023 Injury Free Coalition for Kids National Conference.

#### **ABSTRACTS SUBMITTED**

**Ruest S**, Nguyen L, Duffy S, Corcoran C. A Pediatric Emergency Department-Based Food Insecurity Screening and Intervention Program. Submitted 4/1/2023 for 2023 AAP National Conference.

#### **PROFESSIONAL EDUCATIONAL MATERIALS OR REPORTS, IN PRINT OR RADIO**

**Ruest S**. NEJM Knowledge+. Authored 9 questions in pediatrics for a comprehensive lifelong learning product from NEJM Group. 2015.

**Ruest S**. Keeping Concerts Fun and Safe for Teens. Patient and Parent Education. Massachusetts General Hospital. August 2015. <https://giving.massgeneral.org/keeping-concerts-fun-safe-teens/>

**Ruest S**. What a pain in the neck – Evaluation of the C-Spine in Pediatric Trauma Patients. Brown Emergency Blog. April 2016. <http://brownemblog.com/>

**Ruest S.** Keep your eye on the target: POCUS for intussusception. Brown Emergency Blog. July 2016. <http://brownemblog.com/>

**Ruest S.** Keep your eye on the target: POCUS for intussusception. FOAM EM RSS. July 2016. <http://www.foamem.com/author/stephanie-ruest/>

**Ruest S.** Nicotine Ingestions in Children. ACEP Newsletter, Toxicology Section. December 2016. <https://www.acep.org/how-we-serve/sections/toxicology/news/december-2016/nicotine-ingestions-in-children/>

**Ruest S.** Digital Media Exposure and Homework Completion. Radio podcast interview with Talkzone.com Internet Talk Radio. December 10, 2016. <http://www.talkzone.com/episodes/199/ITRAK121016.html>

**Ruest S.** Digital Media Exposure and Homework Completion. Radio podcast interview with GreatSchools.org. August 16, 2019. <https://www.greatschools.org/gk/articles/like-a-sponge/>

**Ruest S, Goldberg A.** Pandemic gives rise to more supervisory neglect, group home adolescents struggling. Radio Podcast interview released by Uprise RI. August 18, 2020. <https://upriseri.com/2020-08-18-janine-weisman/>

**Ruest S** and members of the Hasbro Children's and Rhode Island Hospital's Trauma Service. *Rhode Island Department of Transportation Radio Public Service Announcement on Impaired Driving*. Radio PSA running on all local Rhode Island Radio stations and satellite radio. June 2023.

## **MEDIA HIGHLIGHT OF RESEARCH PUBLICATIONS**

Preidt R. Kids' Media Time Adds Up, Subtracts from Homework. Health Day, US News and World Report. October 21, 2016. <http://health.usnews.com/health-care/articles/2016-10-21/kids-media-time-adds-up-subtracts-from-homework>

More Time on Digital Devices Means Kids Less Likely to Finish Homework. HealthyChildren.org. October 21, 2016. <https://www.healthychildren.org/English/news/Pages/More-Time-on-Digital-Devices-Means-Kids-Less-Likely-to-Finish-Homework.aspx>

New AAP Guidelines OK Some Screen Time for Toddlers. Medscape. October 21, 2016. [http://www.medscape.com/viewarticle/870831?nlid=110252\\_3901&src=wnl\\_newsart\\_161021\\_MSCPEDIT&ac=192106SN&impID=1220003&faf=1](http://www.medscape.com/viewarticle/870831?nlid=110252_3901&src=wnl_newsart_161021_MSCPEDIT&ac=192106SN&impID=1220003&faf=1)

Increased media exposure linked to less homework completion among schoolchildren. Infectious Diseases in Children. October 24, 2016. <https://www.healio.com/pediatrics/school-health/news/online/%7Bd2bb6f22-7857-4f27-ba5d-2e7b69bb5485%7D/increased-media-exposure-linked-to-less-homework-completion-among-schoolchildren>

Nauert R. For Kids, More Time on Digital Devices = Less Homework Completed. Psych Central. October 24, 2016. <https://psychcentral.com/news/2016/10/24/for-kids-more-time-on-digital-devices-less-homework-completion/111554.html>

Dr. Stephanie Ruest finds relationship between media exposure and childhood flourishing. Brown University News. October 24, 2016. <https://www.brown.edu/academics/public-health/news/2016-10/dr-stephanie-ruest-finds-relationship-between-media-exposure-and-childhood-flourishing>

Sitrin C. Kids who spend more time on screens are less likely to take initiative. The Boston Globe. October 26, 2016. <https://www.bostonglobe.com/lifestyle/2016/10/26/kids-who-spend-more-time-screens-less-likely-finish-homework-take-initiative-researchers-say/Sbba5ZFFJ7B0uUZzn7yEBL/story.html>

Lee K. How Screen Time Affects Academic Performance. VeryWell.com. November 14, 2016. <https://www.verywell.com/link-between-screen-time-and-academic-success-4107526>

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## **INVITED PRESENTATIONS**

### **Local**

2011 *Pediatric Ingestions*

Pediatric Grand Rounds. North Shore Children's Hospital. October 14, 2011. 1-hour lecture for ~25 medical students, residents, fellows, and faculty. Co-presented with Dr. Kirsten Limmer and Dr. Hasan Meralli

2012 *Review of Evidence for Post Admission Asthma Care*

Pediatric Grand Rounds. North Shore Children's Hospital. October 16, 2012. 1-hour lecture for ~30 medical students, residents, and faculty. Co-presented with Dr. Rebecca Feldman and Dr. Rachel Sagor Maselli

2013 *Cases from the wards: A 7-year-old with a persistent headache*

Pediatric Grand Rounds. Massachusetts General Hospital for Children. October 15, 2013. 1-hour lecture for ~75 medical students, residents, fellows, and faculty.

2018 **Ruest S, Wing R.** Analysis of Data and Presentation of Results. Department of Emergency Medicine, Research Curriculum Lecture Series 2017-2018. Department of Emergency Medicine, Alpert Medical School of Brown University Rhode Island Hospital, Providence, RI, USA, February 2018. One-hour presentation for 15 residents, fellows, and faculty.

2019 **Ruest S, Wing R.** Analysis of Data and Presentation of Results. Department of Emergency Medicine, Research Curriculum Lecture Series 2018-2019. Department of Emergency Medicine, Alpert Medical School of Brown University Rhode Island Hospital, Providence, RI, USA, February 2019. One-hour presentation for ~12 residents, fellows, and faculty.

2020 **Ruest S, Wing R.** Analysis of Data and Presentation of Results. Department of Emergency Medicine, Research Curriculum Lecture Series 2019-2020. Department of Emergency Medicine, Alpert Medical School of Brown University Rhode Island Hospital, Providence, RI, USA, February 2019. One-hour presentation for ~18 residents, fellows, and faculty.

2020 **Ruest S.** Evaluation of Pediatric Cervical Spine Injuries. Kent Emergency Medicine Residency Core Pediatric Educational Series. May 2020. Facilitated a four-hour lecture series and presented one hour focused on cervical spine injuries for ~30 residents.

2021 **Ruest S, Wing R.** The Nuts and Bolts of Data Presentation. Department of Emergency Medicine, Research Curriculum Lecture Series 2020-2021. Department of Emergency Medicine, Alpert Medical

School of Brown University Rhode Island Hospital, Providence, RI, USA, February 2021. One-hour presentation for 20 residents, fellows, and faculty.

- 2021 Beucher M, Genisca A, **Ruest S**. Transitions from Fellow to Junior Faculty, Career and Life Lessons. 1 - hour interactive presentation for fellows at the annual Brown/Hasbro Pediatric Emergency Medicine Fellowship Retreat.
- 2021 **Ruest S**, Wing R. The Nuts and Bolts of Data Presentation. *Department of Emergency Medicine, Research Curriculum Lecture Series 2021-2022*. Department of Emergency Medicine, Alpert Medical School of Brown University Rhode Island Hospital, Providence, RI, USA, December 2021. One-hour presentation for 20 residents, fellows, and faculty.

### **Regional**

- 2019 **Ruest S**. Just Breathe: Pediatric Respiratory Emergencies. Foxboro Fire Department Paramedic Education Series. November 13, 2019. Two-hour presentation for 25-30 paramedics.
- 2021 **Ruest S**. Massachusetts General Hospital Alumni Panel. One of a 10 specialty physicians on a multi-disciplinary panel providing career guidance to current MGH pediatric residents. 2-hour panel, 15 resident participants.
- 2021 **Ruest S**. Critical Saves and Misses: A Cased-Based Review of Pediatric Pre-Hospital Care. *Foxboro Fire Department Paramedic Education Series*. November 8, 2021. Two-hour presentation for 25-30 paramedics.
- 2021 **Ruest S**. Acute Pain Management for Pediatric Burns. Review of multimodal pain management recommendations for pre-hospital and emergency department care of children with burns. *Hasbro Children's Hospital Pediatric Trauma Symposium*. November 10, 2021. Audience includes allied healthcare professionals, EMS personnel, nurses, physicians, and social workers from RI and surrounding states. 1-hour presentation for >150 attendees.
- 2022 **Ruest S**. Recognition and Management of Acute Pain Among Pediatric Patients in the Pre-hospital Setting. *2022 Bristol North Emergency Medical Service Committee Educational Conference*. February 7, 2022. The attendees were primarily paramedics who provide prehospital care in Southeastern Massachusetts. 1-hour presentation for >180 attendees.
- 2022 **Ruest S**. An Emergency Department-Based Food Insecurity Screening & Intervention Program. *AAP Rome Visiting Professorship and Child Health Equity Summit at the University of Massachusetts Medical School*. May 26, 2022. A half-hour presentation for >25 attendees.
- 2022 **Ruest S**. Case-based Review of Foxboro Fire Department Transports. *Foxboro Fire Department Paramedic Education Series*. November 9, 2022. Two-hour presentation for 25-30 paramedics.
- 2023 **Ruest S**. Is it a horse or a zebra? A methodical approach to assessing critically ill pediatric patients. *2023 Bristol North Emergency Medical Service Committee Educational Conference*. February 6, 2023. The attendees were primarily paramedics who provide prehospital care in Southeastern Massachusetts. 1-hour presentation for ~150 attendees.
- 2023 **Ruest S**. Recognition and Management of Acute Pain Among Pediatric Patients in the Emergency Department. September 5, 2023. Audience of general emergency and pediatric emergency physicians at

Massachusetts General Hospital, Newton Wellesley Hospital, Salem Hospital and other MGH satellite sites. 1-hour virtual presentation.

### National

2020 **Ruest, S.** Pediatric Emergency Care Applied Research Network (PECARN) Annual Meeting. Invited as a “Future Investigator” to present a research proposal for a national child abuse study using the PECARN registry to a group of senior PECARN researchers and future investigators. Arlington, VA. February 4, 2020.

2023 **Ruest, S.** Derivation of a Clinical Prediction Rule for Pediatric Abusive Fractures. Rhode Island Injury Control COBRE Research to Practice and Policy Symposium. Virtual Presentation. March 16, 2023. Approximately 120 registered participants.

### INTERNATIONAL

2022 **Ruest S,** Wing R. The Nuts and Bolts of Data Presentation. *Department of Emergency Medicine, Research Curriculum Lecture Series 2021-2022.* Department of Emergency Medicine, Alpert Medical School of Brown University Rhode Island Hospital, Providence, RI, USA, November 7, 2022. One-hour presentation of statistical methodology for 33 residents, fellows, and faculty in Rhode Island, Kenya, Saudi Arabia, and Pakistan.

### EDITORIAL POSITIONS

Ad hoc manuscript reviewer

*Injury Epidemiology*

Ad hoc manuscript reviewer

*Academic Pediatrics*

AAP 2022 & 2023 national meeting abstract reviewer

*AAP Committee on Child Abuse and Neglect*

Ad hoc manuscript reviewer (ongoing, March 2023 – Present)

*Annals of Emergency Medicine*

### ACTIVE GRANTS

5/2022 – Present

*Rhode Island Hospital Injury Control Center for Biomedical Research Excellence (COBRE)*

***Research Project 3: Derivation of a Clinical Prediction Rule for Pediatric Abusive Fractures (Ruest)***

NIH/NIGMS P20 GM139664

12/1/21-11/30/26 Total COBRE Award Amount: \$12,099,111; Research Project 3: \$1,327.163

COBRE Study PI: Michael Mello, MD, MPH

Research Project 3 PI: Stephanie Ruest, MD, MPH, FAAP

- The study will use machine learning and natural language processing techniques to develop a CDR to detect fracture presentations highly associated with abusive fractures among children  $\leq 5$  years old and validate it in a different institutional cohort, with the subsequent goal of broad validation in a multi-center prospective study.
- Collaborators include machine learning experts at the Brown University Artificial Intelligence Lab and pediatric child abuse specialists.
- Current secondary analyses of the dataset underway as of Spring-Summer 2023:
  - o Temporal trends in emergency department presentations for children with fractures concerning for abuse
  - o Disparities in triage evaluations of children with fractures (Mentee: Victoria Quinn, MD)
  - o Nursing triage abuse screening sensitivity and specificity (Mentee: Aleksa Kaye, MPH student)
  - o Disparities in documentation (Mentee: Hal Edmonson, MS3)

11/1/2022 - Present

*Children's Miracle Network, Hasbro Children's Hospital Department of Pediatrics*

*A Primary Care and Emergency Department Collaboration to Address Food Insecurity in Rhode Island Families*

11/1/2022-12/31/2023, \$25,000

Primary Investigators: Celeste C Corcoran, MD and Stephanie Ruest, MD, MPH

Key Personnel: Susan Duffy MD, MPH, Rebecca Wingerter, MD, and Christine Penfield, RN

5% in kind effort

4/1/2023 – Present

*American Academy of Pediatrics Health Equity Grant*

*Seatbelt signs in pediatric motor vehicle crash occupants of different races and ethnicities.*

Secondary analysis of PECARN blunt abdominal trauma database.

4/1/2023 – 3/31/2024, \$3,000

Trainee PI: Robert Gakwaya, MD

Co-Investigators/Mentors: Stephanie Ruest, MD, MPH and Mark Zonfrillo, MD, MSCE

Key Personnel: Nathan Kupperman, MD, MPH

1% in-kind effort.

- Secondary analysis of Pediatric Applied Research Network (PECARN) publicly available blunt abdominal trauma database.
- Aim: to describe disparities in the documentation of abdominal seatbelt signs and subsequent CT utilization by race and ethnicity.

4/2023 – Present

*Equipping Schools to Stop the Bleed*

American Academy of Pediatrics CATCH Grant

6/1/2022 – 5/31/2023 \$5,000

PIs: Maya Tsao-Wu, MD, Anita Gandhi, MD, Melinda Delaney, MD

Co-Investigators: **Stephanie Ruest, MD, MPH**, Elizabeth Jacobs, MD

1% in-kind effort

- Serving as project mentor and advisor for a resident led educational outreach project aiming to teach the *Stop the Bleed* program to school nurses at high schools across the state of Rhode Island.

10/1/2023 – Present

*Brown Physician's Incorporated Academic Assessment Grant*

Brown Physician's, Inc.

10/1/2023 – 3/31/2025, \$50,000

Research Project: *Derivation of a Clinical Prediction Rule for Pediatric Abusive Fractures*

### **UNFUNDED PROJECTS, CURRENT**

9/2020 – Present

*The epidemiology of Pediatric Injuries During a Global Pandemic*

PI: Wendy Pomeranz, MD, CCMC

Site PI: **Stephanie Ruest, MD, MPH**

- 40-site multicenter epidemiological study composed of hospitals participating in the Injury Free Coalition for Kids, describing patients seen in ED's with injuries during the COVID-19 pandemic.

- Fractures, burns and child abuse sub-study PI: Sub-study PI for these three topics, coordinating and leading small group meetings for faculty from across the United States, lead author for abstracts (submitted to PAS 2023) and manuscripts (in process as of winter 2023).
- Sub-group member and contributing author focused on research questions pertaining to dog bites.

6/2022 – Present

*Emergency Room Presentations for Fussiness as a Predictor of Future Child Maltreatment*

PI: Amy Goldberg, MD

Co-investigators: Heather Edward MD, Christian Schroeder BS SCM, **Stephanie Ruest MD MPH**, Brett Slingsby MD

Hasbro Children’s Hospital, Providence, RI

- Retrospective review of all children <1 year of age who present to the Hasbro ED for fussiness
- Aim: to compare the rates of subsequent medical evaluations for child maltreatment between infants with a previous ED diagnosis of “fussy infant” compared to a matched control group.

7/2022 – Present

*What did we miss? A retrospective project to assess for under triage or missed injuries in pediatric trauma patients (IRB submitted, not yet approved)*

PI: Christina McRoberts, MBA, BSN, RN

Co-Investigators: Elizabeth Renaud, MD, **Stephanie Ruest, MD, MPH**

Hasbro Children’s Hospital, Providence, RI

- Retrospective review of pediatric trauma patients pre- and post- implementation of updated trauma triage criteria to determine if recent changes to trauma activation criteria impacted the rate of under triage and missed injuries.

10/2022 – Present

*Pediatric Acute Asthma Management in the Emergency Department and Associated Outcomes: A Pediatric Emergency Research Network Study*

Study PI: Baylor University

Hasbro Site PI: Stephanie Ruest, MD, MPH

Hasbro Co-investigators: Meghan Beucher, MD, Ghid Kannan

Multi-Center PERN network study

- Retrospective review of pediatric emergency department visits for asthma exacerbations to determine asthma practice patterns.

4/2023 – Present

*Infants with bruising and evaluations for bleeding diatheses*

PI: Brett Slingsby, MD

Co-investigators: MaryAlice Brislin MD, Christian Schroeder BS SCM, **Stephanie Ruest MD MPH**

Hasbro Children’s Hospital, Providence, RI

- Retrospective review of infants who present to the Hasbro ED with bruising and subsequent hematologic workups completed
- Aim: to compare the rates of subsequent medical evaluations for child maltreatment between infants with a previous ED diagnosis of “fussy infant” compared to a matched control group.

## **FUNDED PROJECTS, COMPLETED**

7/1/2019 – 10/2022

*Implementing Alcohol Misuse Screening, Brief Intervention, Referral to Treatment (IAMSBI RT) in a National Cohort of Pediatric Trauma Centers.*

NIAAA R01AA025914

8/2017-7/2022 \$3,314,457

Primary Study PI: Michael Mello, MD, MPH, Brown University

Brown University Site PI: Stephanie Ruest, MD, MPH

- Multicenter study at 10 pediatric trauma centers.
- Fully powered Type III hybrid effectiveness-implementation trial to test the effectiveness of a comprehensive strategy in improving the implementation of the SBIRT for alcohol and other drug use in pediatric trauma centers.
- Multidisciplinary study involving pediatric social workers, nurses, and healthcare providers.

*Emergency Department-Based Food Insecurity Intervention*

American Academy of Pediatrics CATCH Grant

6/1/2021 – 5/31/2022 \$10,000

Primary Study PIs: Stephanie Ruest, MD, MPH and Celeste Corcoran, MD

- One year implementation grant focused on screening families seen in the Hasbro Children's Hospital Emergency Department for food insecurity and subsequently providing tailored guidance and resources to meet their needs, as well as wraparound communication with outpatient providers and long-term follow up to ensure that resources were accessed.

**UNFUNDED PROJECTS, COMPLETED**

2013 - 2014

*Connecting Deaf Adolescents with Medical Homes*

Co-I: **Stephanie Ruest, MD, MPH**

Mentor: Dr. Ariel Frey-Vogel

Massachusetts General Hospital, Boston, MA

- Research funded through an AAP Community Access to Child Health (CATCH) Resident Grant to lead focus groups of deaf high school aged students, their parents/caregivers, and teachers at a deaf school in the Boston area to identify barriers to adequate primary care.

7/2014 – 2017

*Substance Use Patterns and In-Hospital Care of Adolescents and Young Adults*

*Attending Music Concerts.*

PI: **Stephanie Ruest, MD, MPH**

Mentors: Dr. Sigmund Kharasch (MGH) and Dr. Siraj Amanullah (Hasbro/RIH)

Massachusetts General Hospital, Boston, MA and Rhode Island Hospital, Providence, RI

- Retrospective study utilizing electronic medical records and public concert records to identify patients transported to local hospitals for substance use complaints directly related to concert attendance.

9/2016 – 5/2020

*Incidental rib fractures identified on chest x-rays among children aged 0-2.*

PI: **Stephanie Ruest, MD, MPH**

Mentor: Amy Goldberg, MD

Co-investigators: Ghid Kanaan, Jessica Moore

Hasbro Children's Hospital, Providence, RI.

- Retrospective review to determine the incidence of rib fractures identified on chest x-rays obtained for reasons other than concern for non-accidental trauma among children aged 0-2, and to describe the imaging findings, clinical features, history, labs, and mechanism associated with the identified fractures.
- Relevant publications: The Prevalence of Incidental Rib Fractures Identified on Chest X-ray Among Infants and Toddlers Aged 0-2; Pediatric rib fractures in the setting of trauma.

9/2020 – 12/2021



*Identification of a Primary Care Provider for Pediatric Surgical Patients*

PI: **Stephanie Ruest, MD, MPH**

Primary research assistant: Molly Hunter, MD (surgical resident)

- Quality improvement project focused on establishment of primary care providers prior to discharge for admitted surgical patients and improving discharge communication and follow up.

10/2018 – 8/2022

*Characteristics of Pediatric Firearm Injuries Presenting to 6 Free-Standing Children's Hospitals Over the Last 15 years*

Primary study site/PI: Kiesha Doh, MD, Children's Healthcare of Atlanta

Site PI: **Stephanie Ruest, MD, MPH**

- Multicenter retrospective review to characterize morbidity and mortality related to pediatric firearm injuries.
- Manuscript submitted, September 2022, under review

6/2021 – 12/2022

*Utilization of Emergency Department Mental Health Services Among Children in Protective Custody*

PI: **Stephanie Ruest, MD, MPH**

Primary Research assistant: Taylor Vieira, first year Brown University Medical Student

- Department of Emergency Medicine Summer Research Assistantship program with student salary support.
- Retrospective review of all pediatric patients seen in the Hasbro Emergency Department for acute mental health complaints to assess differences in presentation, care, resource utilization, frequency of visits, etc. among children in department of children and families protective custody (foster care) compared to children who are not in protective custody.

**FORMAL TEACHING OF STUDENTS, RESIDENTS, AND CLINICAL FELLOWS**

*Lecturer, Resident as educator*, Massachusetts General Hospital for Children, Boston, MA, 2013. Class size ~30.

- Followed a teaching curriculum based on adult learning theory to develop multiple hour-long weekly teaching conferences and facilitated lectures and discussions attended by ~30 clinical year medical students, pediatrics interns, residents and guest attending physicians.

*Skills-station Instructor*, Emergencies and Procedures in Pediatrics Conference, Massachusetts General Hospital and Harvard Medical School, Boston, MA, 2013 – 2017 (annually). Average 10-20 attending pediatric faculty per session.

- Instructor for hands-on skill stations for pediatric faculty at an annual 3-day national conference; instructed a skills station focusing on emergency tracheostomies, chest tubes, and needle decompression of pneumothoracies and ultrasound guided femoral line insertion.

*Pediatric Journal Club Instructor*, Massachusetts General Hospital for Children at North Shore Medical Center, Salem, MA. 2014 – 2015 (weekly). Average 5-6 medical students and residents per session.

- Led resident journal club presentations, reviewed basics of evidence-based medicine and interpretation of statistical analyses.

*Instructor*, Massachusetts General Hospital for Children Resident Simulation Curriculum, Boston, MA. 2014 – 2015 (monthly or bi-monthly). Average 2-3 residents per session.

- Co-facilitated simulation sessions and subsequent debriefing and educational lectures for residents and medical students.

*Lecturer*, Pediatric Toxidromes Lecture, Emergency Rescue Services, Cumberland, RI. November 11, 2015, ~15-20 EMS participants.

- Taught one-hour interactive lecture for EMS providers; reviewed common pediatric ingestions and toxidromes.

*Instructor*, Epidemiology Course, Brown University Alpert Medical School, 2015 – 2017 (annually), average 15-20 students per session

- Instructor for case-based small groups on basic epidemiologic principles for 1st and 2nd year medical students.

*Lecturer*, Evaluation of the fussy infant, Hasbro Pediatric Residency Conference Lecture, Department of Pediatrics, August 20, 2016, attended by ~ 15 residents.

*Instructor*, Pediatric Procedural Sedation Course, Brown University Department of Emergency Medicine, 2016 –2018 (quarterly), approximately 5-15 residents and/or fellows per session

- Co-instructor of didactics and simulation-based training on procedural sedation for pediatric residents, emergency residents, and PEM fellows.

*Instructor*, Advanced Pediatric Airway Course, Hasbro Children’s Hospital, Quarterly from 2016 – 2018, 4/11/2020; 5-15 residents per session.

- Co-instructor of hands-on skills stations and case-based simulations in a required one-day curriculum for Brown University and Kent County Hospital’s senior pediatric and emergency medicine residents on advanced airway management include direct laryngoscopy, video laryngoscopy, and difficult airway management.

*Lecturer and/or Facilitator*, EM Residency and PEM Fellows’ Conference Lectures, and Simulations, Department of Emergency Medicine 2016 – Present  
15-50 residents, fellows, and faculty per session, 1-2 hour conferences except where explicitly stated:

### **2016**

1/12/2016 Journal Club: Hypertonic Saline as a Therapy for Concussive Pain

2/9/2016 C-spine injury evaluation and management, PEM fellowship

4/6/2016 C-spine management in the pediatric trauma patient, EM residency

11/2/2016 A Case of the Mellow Yellow – Addison’s Disease, EM residency

11/8/2016 Evaluation of abdominal trauma in pediatric patients, PEM fellowship

### **2017**

7/11/2017 C-spine clearance in pediatric trauma patients, PEM fellowship

### **2018**

1/25/2018 Journal Club: Use of oral antibiotics after incision and drainage of uncomplicated abscesses in pediatric patients, PEM fellowship

2/8/2018 Back pain in pediatric patients, EM residency

### **2019**

7/19/19 Pediatric cervical spine injury evaluation and management, PEM Fellow Orientation

10/7/19 Multidisciplinary Hasbro Emergency Department and Trauma Program In-situ Trauma Code Simulation (15 participants, MD, RN, respiratory therapy, EMS)

11/5/2019 PEM Fellowship simulation session

11/7/2019 Kent Emergency Medicine Residency simulation session (3 hours)

## **2020**

2/4/2020 Multidisciplinary Hasbro Emergency Department and Trauma Program In-situ Trauma Code Simulation (25 participants, MD, RN, respiratory therapy, EMS)

4/1/2020 PEM Fellowship Conference on early career development and research

4/14/2020 PEM Fellowship Conference cervical spine trauma evaluation and imaging

5/7/2020 Kent Emergency Medicine Residency Pediatric Core Curriculum (4 hours)

6/17/2020 Combined Pediatric Surgery-Pediatric Emergency Medicine conference on damage control resuscitation (25 participants, 1.5 hours)

7/7/2020 Pediatric c-spine injury evaluation and management, PEM Fellow Orientation

12/15/2020 Spine trauma in pediatric patients – Pediatric Emergency Medicine Fellowship Educational series (7 participants, 1 hour)

## **2021**

3/10/2021 Food Insecurity – The Scope and the Impact. Brown EM Residency Conference

7/28/2021 Pediatric c-spine injury evaluation and management, PEM Fellow Orientation

9/28/2021 Pediatric facial and neck trauma, PEM Fellowship Educational series

## **2022**

5/18/2022 Commercial Sex Exploitation, Brown EM Resident Conference, Co-presented with Dr. Amy Goldberg, Aubin Center.

7/26/2022 C-spine clearance in pediatric trauma patients, PEM fellowship

11/1/2022 Pediatric Emergency Medicine Fellow Simulation conference (2 hours)

11/17/2022 Kent Emergency Medicine Residency lecture, Back Pain in Children (1 hour, ~35 attendees)

11/17/2022 Kent Emergency Medicine Residency simulation session (3 hours), ~35 attendees

## **2023**

3/1/2023 Kent Emergency Medicine Residency simulation session (3 hours), ~40 attendees

5/2/2023 Pediatric Emergency Medicine Fellow Simulation Conference (2 hours, trauma cases)

5/2/2023 Department of Pediatrics Morbidity & Mortality Conference (1 hour, 65 attendees)

*Facilitator*, Pediatric Residency Simulation Mock-Codes, Department of Pediatrics, 2016-2017. ~20 residents, medical students, nurses and/or respiratory therapists per session, 1-hour simulations.

1/13/2016 Simulation, mock code, v-tach arrest

3/15/2017 Simulation, mock code, v-tach arrest

*Facilitator and Faculty Mentor*, Combined Pediatric Emergency Medicine and Pediatric Surgery Lecture series.

2020-Present

~25 residents, fellows, advanced practice providers, and faculty per session.

2-hour multidisciplinary conferences:

6/17/2020 Management of hemorrhagic shock in pediatric trauma patients

10/21/2020 Blunt abdominal trauma in pediatric patients

3/17/2021 Management of craniofacial trauma and critical airways in the setting of facial trauma

12/15/2021 Management and evaluation of pediatric cardiothoracic trauma

5/18/2023 FAST Exam for Pediatric Trauma

*Lecturer*, Pediatric Emergency Medicine Advanced Practice Practitioner Educational Conferences, 1-hour conferences, 10 APPs

11/1/2022 Face and Neck Trauma

11/1/2022 Evaluation of Pediatric Cervical Spine Injuries

## **MENTORSHIP**

Ghid Kanaan, MD

9/2016 – Present

Dr. Kanaan is a neonatology-trained attending physician from Syria, currently in the United States pursuing additional medical education and research, and has been the primary research assistant for two child abuse projects under my direction as well as the Injury Free Coalition multi-center study.

*Relevant publication titles:* The Prevalence of Incidental Rib Fractures Identified on Chest X-ray Among Infants and Toddlers Aged 0-2; Pediatric rib fractures in the setting of trauma.

Molly Hunter, MD

9/2020 – 5/2022

Mentored Dr. Hunter, a Brown Department of Surgery Resident and resident investigator on a quality improvement project focused on disposition, follow up, and communication with primary care providers for pediatric patients admitted to surgical services.

Project title: Identification of a Primary Care Provider for Pediatric Surgical Patients.

Taylor Vieira

5/2021 – 12/2021

Ms. Vieira is a Brown Medical Student who is working directly with me as a Summer Research Assistant through the Summer Research Assistantship in Emergency Medicine Program on a retrospective chart review evaluating emergency psychiatric services among children in foster care in the state of RI.

Lana Nguyen

2/2022 – Present

Ms. Nguyen is an undergraduate student at Brown University and is working directly with me on the AAP CATCH grant for food insecurity as a Connect for Health Resource Advocate. In this role, she is working with me to coordinate patient follow up, contact families, and provide them with essential resources. I have been directly overseeing her work connecting with patients and initial work on background for abstracts and a manuscript. Under my direct mentorship, she was awarded a spot in the **prestigious Brown University Royce Fellowship Program** for the Summer 2023. We will be evaluating successes and barriers of the Connect for Health Program through a quality improvement project.

Melissa Vanover, MD, Pediatric Surgery Fellow, Hasbro Children's Hospital

1/2022 – Present

Clinical Competency Committee Member

Meet quarterly with CCC members to review academic progress and provide feedback.

Heather Edwards, MD, Child Protection Fellow, Hasbro Children's Hospital

6/2022 – Present

Scholarship Oversight Committee Member and Scholarly Activity Co-investigator and Co-Mentor

Meet to review scholarship status, provide feedback on projects, serve as mentor for ongoing research studies.

Morgan Cheatham

9/2022 – Present

Brown Medical School 2<sup>nd</sup> year doctoring student, 14 clinical sessions per academic year.

Robert Gakwaya, MD, Pediatric Emergency Medicine Fellow, Hasbro Children's Hospital

12/2022 – Present

Fellowship research project mentor and scholarship oversight committee member. Mentorship provided for a PECARN dataset secondary analysis of racial/ethnic disparities in seat belt sign documentation and CT scan utilization among pediatric patients with blunt abdominal trauma. Mentor for AAP Health Equity Grant. See above.

MaryAlice Brislin, MD, Child Protection Fellow, Hasbro Children's Hospital  
Scholarship Oversight Committee Member and Scholarly Activity Co-investigator and Co-Mentor  
3/2023 – Present

Meet to review scholarship status, provide feedback on projects, serve as mentor for ongoing research studies.

Christine Marinelli, RN, Hasbro Emergency Department Staff RN, Capella University MPH Student  
3/2023 – Present

MPH research project preceptor and mentor. Ms. Marinelli is completing her research internship by serving as research assistant for the above-mentioned project: *A Primary Care and Emergency Department Collaboration to Address Food Insecurity in Rhode Island Families*.

Jeff Savarino, MD, Brown Emergency Medicine Resident, Hasbro Children's Hospital

6/2023 – Present

Writing a manuscript on the epidemiology of pediatric injuries in the state of Rhode Island during the COVID-19 pandemic. This is a sub-analysis of the national data collected for the Injury Free Coalition for Kids project cited above.

Aleksa Kaye, Brown University School of Public Health, MPH candidate

6/2023 – Present

Mentoring MPH candidate on thesis proposal, focused on the current Hasbro Emergency Department triage child abuse screen, evaluating compliance, sensitivity, and specificity, and comparing to other institutional protocols and validated child abuse screens. Anticipate submission for MPH thesis, abstracts, and manuscript in 2024.

Hal Edmonson, Brown University Alpert School of Medicine, MS3

9/2023 – Present

Mentoring current medical student working on his Academic Scholars Program project. Will be evaluating clinician documentation of key factors related to history, mechanism, developmental status, etc. for young children with fractures to determine if there are disparities in documentation. Anticipate submission for scholars program deliverable, abstract, and potential manuscript in late 2024.

### **VOLUNTEERISM**

September 2021 – Present

Kings Wood Montessori School Healthcare Consultant. Foxboro, MA. Provide medical advice for school health protocols, Covid-19 testing and quarantine, and medical education to school leadership and executive board.

June 2023 – Present

Hockomock Regional Area YMCA

Child Protection Committee, Foxboro, MA

Volunteer member of multidisciplinary committee of regional area YMCA and community leaders focused on education and outreach for identification and prevention of child abuse.