

**Susan J. Duffy, M.D., MPH**

Business Address: Department of Emergency Medicine:  
55 Claverick Street  
Providence, Rhode Island 02903  
Business Telephone: (401) 444-6882  
Business Fax: (401) 444-4569  
Email Address; [sduffy@lifespan.org](mailto:sduffy@lifespan.org)

**EDUCATION**

Undergraduate: Brown University, Human Biology, B.A., 1981  
Medical School: Brown University School of Medicine, M.D., 1988  
Graduate: Columbia University, M.P.H., 1984

**POSTGRADUATE TRAINING**

Residency: Massachusetts General Hospital, Harvard University  
Boston, MA, 1988-1991  
Fellowship: Pediatric Emergency Medicine Fellow  
Rhode Island Hospital/Brown University  
Providence, RI 1993-1995

**POST GRADUATE HONORS AND AWARDS**

1988 New England Pediatric Society Prize, Brown Medical School  
2003 Brown University Department of Pediatrics, Intern Teaching Recognition  
2009 University Emergency Medicine Foundation Service Award.  
2011 Brite Lite Award, Hasbro Children's Hospital  
2012 Rhode Island Department of Health Commendation, H1N1 Influenza Epidemic  
2013 Class Marshall 25<sup>th</sup> Reunion, Brown Medical School  
2016 Clinical Directors Award, Department of Emergency Medicine  
2018 Medium Size Chapter Award, RI Chapter, American Academy of Pediatrics  
2018 RI TOP DOC, Rhode Island Monthly Magazine  
2019 American Academy of Pediatrics Special Achievement Award  
2019 Research Mentor Award, Department of Emergency Medicine, Brown University  
2020 Foundation Leadership Award-Telemedicine, Department of Emergency Medicine, Brown University

**PROFESSIONAL LICENSES AND BOARD CERTIFICATIONS**

1991-Present Massachusetts Medical License  
1992 Diplomat, American Board of Pediatrics  
1993- Present Advance Trauma Life Support

1994-Present

Pediatric Advanced Life Support

1995-Present	Rhode Island Medical License (#08890)
1996	Diplomat, American Board of Pediatrics Subspecialty, Pediatric Emergency Medicine
2020	American Board of Pediatrics Subspecialty Renewal, Pediatric Emergency Medicine
2020	American Board of Pediatrics Certifying Exam Renewal

#### **ACADEMIC APPOINTMENTS**

1988-1991	Clinical Fellow, Harvard University Medical School
1991-1993	Clinical Instructor, Pediatrics, Harvard University Medical School
1993-1995	Clinical Instructor, Pediatrics, Brown University Medical School
1996-1997	Clinical Assistant Professor, Brown University Medical School
1998-2006	Assistant Professor, Pediatrics, Brown University Medical School
2006-2017	Associate Professor, Emergency Medicine and Pediatrics, Warren Alpert Medical School of Brown University
2018-	Professor, Emergency Medicine and Pediatrics, Warren Alpert Medical School of Brown University

#### **HOSPITAL APPOINTMENTS**

1991-1993	Assistant in Pediatrics, Massachusetts General Hospital, Boston, MA
1991-1993	Attending Physician, Pediatric Emergency Department, Massachusetts General Hospital, Boston, MA
1995-Present	Attending Physician, Pediatric Emergency Medicine, Hasbro Children's Hospital Providence, RI
1999-2008	Director, Pediatric Fast Track, Hasbro Children's Hospital Emergency Department.
2002-2008	Developer and Director, Pediatric Nurse Practitioner Program, Hasbro Children's Hospital Emergency Department
2008-2016	Medical Director, Hasbro Children's Hospital Emergency Department
2015-2016	Medical Developer, Pediatric Clinical Decision Unit, Hasbro Children's Hospital
2016-2021	Director Pediatric Emergency Medicine Special Projects, Department of Emergency Medicine
2016-Present	Hospital Quality Project Leader, Children's Hospital Association Quality Collaborative, Improving Pediatric Sepsis Outcomes
2018-Present	Medical Developer, Pediatric Emergency Department Telemedicine Program
2020-Present	Co-Director Department of Emergency Medicine Telehealth Program
2021-	Vice Chair Academic Affairs Department of Emergency Medicine

#### **OTHER APPOINTMENTS**

1999-Present	Reviewer, <i>Pediatrics</i>
1999-2012	Reviewer, <i>Archives of Pediatric and Adolescent Medicine</i>
2004-Present	Reviewer, <i>Ambulatory Pediatrics</i>

2005-Present

Reviewer, *Annals of Emergency Medicine*

2006-Present	Reviewer, <i>Pediatric Emergency Care</i>
2008-Present	Reviewer, <i>Academic Pediatrics</i>
2014-Present	Abstract Reviewer, Pediatric Academic Society Annual Meeting
2016-Present	Reviewer, <i>Academic Emergency Medicine</i>
2020-present	Reviewer, Journal of Adolescent Medicine
2017	Session Moderator, Pediatric Academic Society Annual Meeting
2018-2020	Expert Reviewer, Readiness of Ontario Emergency Department to Care for Children with Mental Health Issues, Provincial Council for Maternal and Child Health, Ontario Canada
2019	Expert Reviewer, Critical Crossroads, Improving Emergency Care for Children in Mental health Crisis, Emergency Medical Services for Children, Maternal and Child Health Bureau, Health Resources and Services Administration
2020-present	Abstract Reviewer American Academy of Pediatrics NCE

### **HOSPITAL COMMITTEES**

1990-1993	Residency Leave Committee, Chair, Massachusetts General Hospital Children's Service
1991-1993	Pediatric Ambulatory Curriculum Committee, Massachusetts General Hospital
1991-1993	HIV Task Force, Massachusetts General Hospital, Chelsea Memorial Health Center
1994-Present	Child Abuse Citizen's Review Team, Hasbro Children's Hospital/Rhode Island Hospital
2001-2008	Hasbro Children's Hospital Pediatric Residency Curriculum Committee
2010-Present	Lifespan Physician Informatics Council
2010-2019	Lifespan Emergency Services Quality Council
2011-2015	Lifespan Pediatric Services Quality Council
2014-Present	Lifespan Order Set Committee
2013-Present	Co-Director, Hasbro Emergency Department RN/MD Collaborative Care Committee
2014-2016	Rhode Island Hospital EBOLA Task Force
2014-2016	Hospital Co-leader American Academy of Pediatrics, Section of Pediatric Emergency Medicine, Pediatric Sepsis Collaborative
2014-Present	Member, Hasbro Children's Hospital Pediatric Clinical Practice Committee
2015-Present	Member Lifespan Comprehensive Stroke Team, Pediatric Representative
2015-2020	Chair, Pediatric Emergency Department Clinical Guidelines Committee
2016-Present	Hospital Leader and Steering Committee Chair, Children's Hospital Association Improving Pediatric Sepsis Outcomes Quality Collaborative
2017-Present	Member, Lifespan, Department of Information Technology Telehealth Committee

### **UNIVERSITY COMMITTEES**

1999-2006	Brown Medical School, Medical Assessment Committee, Ability VI: Self-Awareness, Self-Care and Personal Growth
2007-Present	Scholarship Oversight Committee, Child Protection Fellowship, Hasbro Children's

Hospital, Brown Medical School

2005-2020

Pediatric Emergency Medicine Fellowship Selection Committee

2008-Present	Department of Emergency Medicine Academic Search Committee
2010-2021	Department of Emergency Medicine Academic Promotion Committee
2014-Present	Department of Pediatrics Academic Search Committee, Adolescent Medicine
2012-Present	Research Committee, Division of Pediatric Emergency Medicine, Department of Emergency Medicine, Brown University
2021 -present	Department of Microbiology Academic Search Committee
2021-	Brown University Medical Faculty Ececutive Committee
2021-	Brown University Committee on Medical Faculty Affairs

#### **OTHER COMMITTEES**

1998-2001, 2004-2006 2009-2012	Board of Directors, University Emergency Medicine Foundation
1999-Present	Member, State of Rhode Island Child Death Review Team
1999-2008	Board of Directors, Rhode Island Injury Prevention Center
1994-2006	Advisory Committee, Rhode Island Department of Health Violence against Women Prevention Program
1994-2002	Member, Rhode Island Network to End Domestic Violence
2001-2008	Rhode Island Department of Children Youth Families Psychiatric Emergency Services Advisory Committee
2001-2002	Non-occupational HIV PEP Task Force of Brown University AIDS Program
2002-2104	Rhode Island Department of Health Child Maltreatment Surveillance Advisory Committee
2002-present	Benefits Committee, University Emergency Medicine Foundation
2008-2010	EMS-C/ DOH Task Force to Develop Guidelines for Pediatric Emergency Transport in Rhode Island
2014-Present	Bradley Hospital/Hasbro Children's Hospital Adolescent Substance Abuse Task Force
2014-2016	RI Department Children Youth and Families Children's Mental Health Advisory Council
2015-Present	Pediatric Trauma Society Child Abuse Screening Guideline Development Committee
2015-Present	Rhode Island Governor's Task Force on Adult Sexual Assault
2015-Present	State of Rhode Island Children's Cabinet Community Advisory Board
2016-Present	RI Department of Health Infant Death Review Committee
2017-Present	RI EMSC Advisory Board, American Academy of Pediatrics Representative
2017-Present	RI Medical Society Board of Directors, American Academy of Pediatrics Representative
2019-	Rhode Island Sepsis Consortium

#### **MEMEBERSHIP IN SOCIETIES**

1990-Present	Fellow, American Academy of Pediatrics. Section Member; Emergency Medicine, Child Abuse, Injury Prevention and Control, Council on Information Technology
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1992-Present

Ambulatory Pediatric Association



1993-Present	Society for Academic Emergency Medicine; Section Member; Pediatric Emergency Medicine, Simulation, Women in Emergency Medicine
2008-Present	Rhode Island Medical Society,
2009-Present	American College of Emergency Physicians
2009-2012	American College of Emergency Physicians, RI Chapter Board of Directors
2010-Present	American Academy of Pediatrics, Section of Emergency Medicine, Committee for Quality Transformation,
2010-Present	American Academy of Pediatrics, Section of Pediatric Emergency Medicine Committee on Pediatric Shock
2015-Present	American Academy of Pediatrics, Section of Pediatric Emergency Medicine Clinical Guidelines Committee
2010-Present	American Academy of Pediatrics, RI State Liaison, Disaster Preparedness
2005-Present	American Academy of Pediatrics, Board of Directors, Rhode Island Chapter
2014-2016	American Academy of Pediatrics, Secretary, Rhode Island Chapter
2016-2018	American Academy of Pediatrics, President, Rhode Island Chapter
2018-2020	American Academy of Pediatrics, Vice President, Rhode Island Chapter
2019-2022	Chair, American Academy of Pediatrics Section on Emergency Medicine Subcommittee on Advocacy

## PUBLICATION LIST

### ORIGINAL PUBLICATIONS IN PEER REVIEWED JOURNALS

1. McGrath ME, Bertacci A, **Duffy SJ**, Peipert JF, Becker BM, St. Angelo L.: Violence Against Women: Provider Barriers to Intervention in an Emergency Department. *Academic Emergency Medicine*, April 1997, Volume 4(4).
2. McQuillen KK, Santucci KA, Conrad, MA, Nelson DG, Lewander WJ, **Duffy SJ**, Anderson AC: Intravenous Catheter Blood Cultures: Utility and Contamination. *Pediatrics*, April, 1999, Volume 103(4).
3. **Duffy SJ**, McGrath ME, Becker BM, Linakis JJ: Mothers With Histories of Domestic Violence in a Pediatric Emergency Department. *Pediatrics*, May 1999, Volume 103/5.
4. Santucci KA, Nelson DG, McQuillen KK, **Duffy SJ**, Linakis JG, Woods Lamp Utility in the Identification of Semen *Pediatrics*, Dec 1999, Volume 104(6).
5. Santucci K, McQuillen K, **Duffy S**, Wood's Lamp Utilization and the Differentiation between Semen and Commonly Applied Medicaments *Pediatrics*. 102(3) Supplement: 1718. September 1998.
6. Brousseau DC, **Duffy SJ**, Anderson AC, Linakis JG: A Randomized Double Blinded Trial of Intravenous Ketorolac for Pediatric Migraine. *Annals of Emergency Medicine*, February, 2004.
7. McMurdy JW, Crawford GP, **Duffy SJ**. Using Display Configuration in spectrophotometric bruise aging applications 2006, *Sid Conference Record of the International Display Research Conference*. 387-390.
8. McMurdy JW, **Duffy SD**, Crawford GP Monitoring bruise using visible reflectance spectroscopy: 2007, *Proceedings of SPIE*, Vol 11, pp. 643426-643426-8.
9. Merchant RC, Kelly ET, Mayer KH, Becker BM, **Duffy SJ**, Pugatch, DL: Compliance in Rhode Island

Emergency Departments with American Academy of Pediatrics Recommendations for Adolescent Sexual Assaults. *Pediatrics*. June 2008, Volume 121(6)

10. Overly FL, Sudikoff SN, **Duffy SD**, Anderson AA, Kobayashi, L: Three Scenarios to Teach Difficult Discussions in Pediatric Emergency Medicine: Sudden Infant Death, Child Abuse with Domestic Violence and Medication Error. *Simulation and Healthcare*, March 2009.
11. O. Kim, J McMurdy, C. Lines, **S Duffy**, G. Crawford, M Alber: Reflectance spectrometry of normal and bruised human skins: experiments and modeling 2, s.l.: IOP, 2012, Vol 33, pp. 159-175. doi: 10.1088/0967-3332/33/2/159.
12. Kim O, McMurdy J, Lines C, **Duffy S**, Crawford G, Alber M, Reflectance Spectrometry of Normal and Bruised Human Skin: Experiments and Modeling. *Physiologic Measurement*, 2012, Vol 33, 2 ,2012, 159-175.
13. Lines C, Kim O, McMurdy J, **Duffy S**, Alber M, Crawford G, Stochastic Photon Transport model in multilayer skin tissue: using reflectance spectroscopy measurements to model normal and bruised skins *SPIE Proceedings* Vol 8474, Optical Processes in organic materials and Nanostructures, Oct 19, 2012; doe 10.1117/12.929777
14. Zajano, E, Brown L, Steele D, Baird J, Overly F, **Duffy SJ**; Development of a Survey of Teamwork and Task Load Among Providers When Caring for Critically Ill Pediatric Patients. *Pediatr Emerg Care*. 2014 Mar;30 (3): 157-60. PMID 24583574
15. Barron R, Kaplilevich E, **Duffy S**, McGregor A, Sexual Assault What Every Emergency Provider Needs to Know. *Academic Emergency Medicine*, 2016 October, Vol 23 (10), 1093-1198.
16. Escobar A, Auerbach M, Flynn-O'Brien K, Tiyyagura G, Borgman M, **Duffy S**, Falcone K, Burke R, Cox J, Maguire S, The Association of non-accidental trauma with historical factors, exam findings and diagnostic testing during the initial trauma evaluation. *Journal Of Trauma and Acute Care Surgery*, 2017 March 23. doi:10.1097/TA PMID: 28338594
17. Chun TH, **Duffy SJ**, Grupp-Phelan J., The Increasing Burden of Psychiatric Emergencies: Call to Action Commentary, *Pediatrics* April 2019, Vol 143/4.
18. Mecurio L, Hill R, Duffy, S, Zonfrillo, M Clinical Practice Guidelines Reduces Evaluation and Treatment for Febrile Infants 0-56 Days of Age *Clinical Pediatrics*, 59, Sept,2020 893-901
19. Wing R, Baird J, **Duffy S**, Brown L Overly F Pediatric Airway Assessment Tool (PAAT): A Rating Tool to Assess Resident Proficiency in Simulated Pediatric Airway Skills Performance, AAMC MedEdPortal, October 19, 2020
20. Scott HF, Brilli RJ, Paul R, Macias CG, Niedner M, Depinet H, Richardson T, Riggs R, Gruhler H, Larsen GY, Huskins WC, Balamuth F; **Improving Pediatric Sepsis Outcomes (IPSO) Collaborative Investigators (Duffy)**. Evaluating Pediatric Sepsis Definitions Designed for Electronic Health Record Extraction and Multicenter Quality Improvement. *Crit Care Med*. 2020 Oct;48(10):e916-e926.PMID: 32931197; PMCID: PMC7677030.
21. Larsen GY, Brilli RJ, Macias CG, Niedner M, Auletta JJ, Balamuth F, Campbell D, Depinet H, Frizzola M, Hueschen LA, Lowerre T, Mack E, Paul R, Razzaqi F, Schafer M, Scott HF, Silver P, Wathen B, Lukasiewicz G, Stuart J, Riggs R, Richardson T, Ward L, Huskins WC on behalf of the **Improving Pediatric Sepsis Outcomes (IPSO) Collaborative Investigators (Duffy)**. Development of a Quality Improvement Learning Collaborative to Improve Pediatric Sepsis Outcomes. *Pediatrics* December 2020, e20201434
22. King CA, Brent D, Grupp-Phelan J, Casper TC, Dean JM, Chernick LS, Fein JA, Mahabee-Gittens EM, Patel SJ, Mistry RD, **Duffy S**, Melzer-Lange M, Rogers A, Cohen DM, Keller A, Shenoi R, Hickey RW, Rea M, Cwik M, Page K, McGuire TC, Wang J, Gibbons R. [Prospective Development and Validation of the Computerized Adaptive Screen for Suicidal Youth](https://doi.org/10.1001/jamapsychiatry.2020.4576). *JAMA Psychiatry*. 2021 Feb 3;. doi: 10.1001/jamapsychiatry.2020.4576. [Epub ahead of print] PubMed PMID: 33533908; PubMed Central PMCID: PMC7859874.
23. Paul R, Niedner M, Brilli R, Macias C, Riggs R, Balmuth F, Depinet H, Larsen G, huskins C, Scott H, Lukasiewicz, Schaffer M, Gruhler Desouza H, Silver P, RichardsonT, Hueschen L, Campbell D, Wathen J, Auletta on behalf of the **Improving Pediatric Sepsis Outcomes (IPSO) Collaborative Investigators**

24. Brent DA, Grupp-Phelan J, Oshea BA, Patel SJ, Mahabee-Gittens EM, Rogers S, Duffy SJ, Sheno RP, Chernick LS, Casper TC, Webb MW, Nock MK, King CA and for Pediatric Emergency Care Applied Research Network (PECARN), A comparison of SJs self-reported risk and protective factors and the death implicit association test in the prediction of future suicide attempts in adolescent emergency department patients *Psychological Medicine*, Cambridge Univ Press, 05 May, 2021.  
<https://www.doi.org/10.1017/S0033291721001215> [na01.safelinks.protection.outlook.com]

#### Other Peer Reviewed Publications

1. Merchant RC, Kelly ET, Mayer KH, Becker BM, **Duffy, SJ**: Trends of Visits to Rhode Island Emergency Departments for Pediatric Sexual Exposures, 1995-2001. *RI Medicine and Health*, February, 2008.
2. Goldberg A, **Duffy S**: Medical Care for the Sexual Assault Victim. *RI Medicine and Health*, 86(12), Dec 2003.
3. Contributor to; Merchant, C et.al., Nonoccupational HIV PEP Guidelines for RI Healthcare Practitioners. Rhode Island Department of Health, 2002
4. **Duffy SJ**: Domestic Violence and the Pediatric Practitioner, *Infants and Children*, Brown University, Winter, 1997 Vol. 4#2P 1-5.
5. Meersman S, Schaberg, M, Cox W, Sernero D, Kawatu J, VanVleet M, Campagna K, **Duffy S**, et al., RI Child Death Review: Sudden Infant Death and Sudden Unexpected Infant Deaths 2008-2009, *Health By Numbers, RI DOH*. Vol 93 (7), July 2010, 219-221. [www.health.ri.gov/publications/issuebriefs/2008-2009](http://www.health.ri.gov/publications/issuebriefs/2008-2009)
6. Lines C, Kim O, **Duffy S**, Alber M, Crawford G, Modeling and Measuring Extravascular Hemoglobin: Aging Contusions *Clinical and Biomedical Spectroscopy and Imaging*. 2012 European Conference of Biomedical Optics, proceedings of SPIE, 8087.
7. What, When, Where, Why and How it could and Should be Done, *Clinical Pediatric Emergency Medicine* Vol 14, Issue 1, March 2013, pp 3-11. PMID 23682241
8. Chun TH, Katz ER, **Duffy SJ**; Pediatric Mental Health Emergencies and Special Health Care Needs. *Pediatr Clin North Amer*. 2013 Oct; 60(50): 1185-201. PMID: 24093903
9. **Duffy S**, Guest Editor. Pediatric Emergency Medicine: From Small beginnings, a subspecialty emerges and evolves in RI, Nationwide. *RI med J*. 2014 Jan 3; 97(1): 17-8. PMID :24400306

10. Chun TH, Katz ER, **Duffy SD**, Gerson RS; Challenges of managing pediatric Mental health Crises in the Emergency Department. *Child and Adol Psych Clinics of North Amer. Top Topics In Child and Adolescent Psychiatry*. 2015, Jan; 24(1-21-40).
11. RI Child Death Review Team Youth Suicide Issue Brief. 2005-2010. [www.health.ri.gov/publications/issuebriefs/2006-2010\\_youth\\_suicide.pdf](http://www.health.ri.gov/publications/issuebriefs/2006-2010_youth_suicide.pdf)
12. Rhode Island Child Death Review 2009-2012-Department of Health. [www.health.ri.gov/publications/data\\_books/2209-2012\\_Child\\_Death.pdf](http://www.health.ri.gov/publications/data_books/2209-2012_Child_Death.pdf)
13. **Duffy S**, Providing Confidential Care to Adolescents in Health Care Settings. *RI Medical J* , 99(8), 16-18. 2016 Aug 01.
14. Jain, S, Stack A, Barron S, DiStefano, **Duffy S**, Florin T, Mandeville K, Morrison A, Mullan P, Neuman M, Zorc J, Community Acquired Pneumonia Management Guidelines. Section of Emergency Medicine, American Academy of Pediatrics, 2016. <https://www.aap.org/en-us/about-the-aap/Committees-Councils-Sections/Section-on-Emergency-Medicine/Pages/Publications.aspx>
15. Hoffmann JA, **Duffy SJ**. Supporting youth mental health during the COVID-19 pandemic. *Acad Emerg Med*. 2021 Dec;28(12):1485-1487. doi: 10.1111/acem.14398. Epub 2021 Oct 19. PMID: 34626149; PMCID: PMC8653347.

## BOOKS AND BOOK CHAPTERS

1. **Duffy SJ**, Steele D: Heel sticks, *Textbook of Emergency Medicine Pediatric Procedures*, Williams and Wilkins, 1997, 2005.
2. **Duffy SJ**: Epiglottitis. *The Five Minute Emergency Medicine Handbook*, Williams and Wilkins, 1999, 2002.
3. **Duffy SJ**: Child Abuse. *The Five Minute Emergency Medicine Handbook*, Williams and Wilkins, 1999.
4. **Duffy SJ**: Cystic Fibrosis. *The Five Minute Emergency Medicine Handbook*, Williams and Wilkins, 1999.
5. Fearon D, **Duffy SJ**: Hypertension, In: S Selbst, K Cronan (Eds.) [Pediatric Emergency Medicine Secrets, 2<sup>nd</sup> Addition](#), Philadelphia, Hanley and Belfus, Inc. 2007, 2014.
6. Oleg Kim, Collin Lines, **Susan Duffy**, Mark Alber, Gregory Crawford. Modeling and Measuring Extravascular hemoglobin Aging Contusions. [Medical Applications of Electrochemistry](#), 2012.
7. Turcotte-Benedict F, Valente J, **Duffy S** : Vaginal Bleeding and Discharge in Childhood , In: Harwood Ness, [Emergency Medicine Secrets, 2<sup>nd</sup> edition](#). 2015, 2019.

## OTHER NON-PEERED REVIEWED PUBLICATIONS

1. McGrath M, Barker J, Bettacci A, **Duffy SJ**, et al: Building Alliances, Responding When Your Patient Has Experienced Domestic Violence or Sexual Assault; A Guide for Healthcare Providers, 1996.
2. Sexual Assault FAQs, Presented by the RI Statewide Task Force to Address Adult Sexual Assault, May 2016. [www.dayone.org/task-force/index.html-Rhode](http://www.dayone.org/task-force/index.html-Rhode) Island Statewide Task Force to Address Adult Sexual Assault. Update October 2019.
3. Contributor, Rhode Island State Model Protocol Guidelines for the Response and Management of Adolescent and Adult Sexual Assault. 2020
4. Contributor to “Critical Crossroads, Pediatric Mental Health Care in the Emergency

Department, A Care Pathway Resource Toolkit”, US Department of Health and Human Services Health Resources and Services Administration June 2019

5. Contributor to “Provincial Council for Maternal and Child Health Emergency Department Paediatric Readiness Checklist”. Ontario, Canada 2/2020
6. Contributing Developer; Emergency Medical Services for Children Innovation and Improvement Center : Pediatric Emergency and Advocacy kits (PEAK): suicide <https://emscimprovement.center/education-and-resources/peak/pediatric-suicide-screening-mental-health/> October 2021
7. Translating Emergency Knowledge for Kids (*trekk*) and Emergency Medical Services for Children Innovation and Improvement Center (EIIC) Bottom Line Recommendation Suicidal Risk Screening and Assessment. Developers Morrissette M, Newton A, Freedman S, Katz, L, Trekk Network, **Duffy S**, Feuer V and EIIC Network, September 2021., Version 1. <https://emscimprovement.center/education-and-resources/peak/pediatric-suicide-screening-mental-health/eiic-trekk-bottom-line-recommendation-suicidal-risk-screening-and-assessment-practice-guideline/>

## **PUBLICATIONS SUBMITTED**

1. The Role and Responsibilities of Emergency Clinicians in the Initial Management of Acute Pediatric Mental Health Emergencies: ACEP/ AAP/ ANA Policy Statement and technical Report, MSaidinejad, **SDuffy**, DWallin, JHoffmann, MJoseph, JUhlenbrock, KBrown, MWaseem, SSnow, MAndrew, Akuo, Csultan, TChun, LLee Submitted to ACEP and AAP . Final Edits, January 2022
2. Risk Factors for Pediatric Sepsis in the Emergency Department: A Machine Learning Pilot Study, LMercurio, SPou, **SDuffy**, CEickhoff. Submitted to Pediatric Emergency Care, Accepted with Revisions December 2021
3. Schafer M, Desouza H, Paul R, Riggs R, Richardson T, Conlon P, Duffy S, Foster L, Gunderson J, Hall D, Hatcher L, Hes L, Kirkpatrick L, Kuna J, Lockwood J, Lowre T, Mcfadden VHavan A, Rizzi J, Stephan R, Stokes S, Workman J, Kandil S Characteristics and Outcomes of Sepsis Presenting in Inpatient Pediatric General Care Settings

## **PUBLICATIONS IN PREPARATION**

1. Dessie, A Zhang A, Frackiewicz L, Leviter J, Baird J, Charles-Chauvet D, Gordon C, **Duffy S**, Buckle Me

Up, A Computerized Individually Tailored ED Discharge Information for Child Car Restraint Safety Education (IRB approved 5/17, Abstracts presented AAP NCE, New Orleans 10/2019).Final Manuscript preparation and continuation of teen study arm.

2. Marte D, Baird J, Brister J, **Duffy S** Evaluating disparities in pediatric emergency care for Spanish Speaking Families. (IRB approved 2/2018, Abstract presented ACEP 2019, Denver) Manuscript in final preparation. Final Manuscript
3. Contributing Developer; Emergency Medical Services for Children Innovation and Improvement Center : Pediatric Emergency and Advocacy kits (PEAK): Pediatric Agitation  
<https://emscimprovement.center/education-and-resources/peak/pediatric-suicide-screening-mental-health/>  
 October 2021

## ABSTRACTS

1. **Duffy SJ**, Steele D: Influenza Vaccine in Asthmatics Presenting to a Pediatric Emergency Department. Arch Pediatric Adolescent Medicine (Poster presentation to Ambulatory Pediatric Association, Seattle, WA, May 1994).
2. **Duffy SJ**, Steele D: Influenza Vaccine in Asthmatics Presenting to a Pediatric Emergency Department,
3. **Duffy SJ**, Cimini D, Berliner C, Linakis J: Characteristics of Emergency Department Visits in Children Reported for Child Abuse. Academic Emergency Medicine, 2(5), 1995. (Poster presentation to Society for Academic Emergency Medicine, San Antonio, TX, May 1995).
4. Richardson DR, Becker BM, McGrath ME, **Duffy SJ**, St. Angelo, LM, Woolard, RW: Health Care Utilization By Physically and Sexually Abused Women (Platform Presentation at ACEP, Cincinnati, OH, Feb, 1996).
5. **Duffy SJ**, McGrath ME, St. Angelo LM, Becker, BM Domestic Violence in a Pediatric Emergency Department Archives Pediatric Adolescent Medicine (Platform presentation to Ambulatory Pediatric Association, Washington, DC, May, 1996)
6. McGrath M, Bertucci A, Becker BM, **Duffy SJ**, Barriers to Screening for Violence Against Women in the ED. Academic Emergency Medicine (Poster Presentation, SAEM, Denver, CO May, 1996).
7. Becker BM, **Duffy SJ**, McGrath ME, St. Angelo LM, Violence Against Women Revealed by Routine Interviews in the ED. Academic Emergency Medicine (Platform Presentation SAEM, Denver, CO May, 1996).
8. **Duffy SJ**, McGrath ME, Richardson, DR, St. Angelo LM, Becker, BM Violence Against Women and Psychological Complaints in an Emergency Department. Academic Emergency Medicine (Poster Presentation to SAEM, Denver, CO May, 1996).
9. **Duffy SJ**, McGrath ME, Becker BM Physical and Sexual Abuse Against Mother in a Pediatric Emergency Department Arch Pediatric Adolescent Medicine (Poster Presentation to Ambulatory Pediatric Assoc,

Washington, DC, May, 1996).

10. **Duffy SJ**, Bertucci A, Skeet L, Violence in the Lives of Adolescents in a Pediatric Emergency Department, Archives Pediatric Adolescent Medicine, (Poster Presentation APA, Washington DC, May 1997).
11. McQuillen K, Santucci K, Conrad P, Nelson D, Anderson A, **Duffy S**, Contamination of Blood Cultures Drawn from an IV, Archives Pediatric Adolescent Medicine (Poster Presentation, APA, New Orleans, May 1998).
12. Berns S, **Duffy S**, Mendez C, et al: Increasing Child Safety Seat Use Among Taxicab Use Among Taxicabs in an Urban Setting, Archives Pediatric Adolescent Medicine, (Poster Presentation, APA, San Francisco, May, 1999).
13. **Duffy S**, Berns S, Beale B, et al. Appropriate Use of Child Restraint Devices (CRD) During Transport to Day Care, Archives Pediatric Adolescent Medicine (Poster Presentation, APA, Boston, MA, May 2000).
14. Andrada ER, **Duffy SJ**, Wright RO, et al: Predictors of Abnormal Chest Radiographs (CXR) in Pediatric Blunt Trauma (PBT). Archives Pediatric Adolescent Medicine (Poster Presentation, APA, Baltimore, MD, May 2001).
15. Brousseau DC, **Duffy SJ**, Anderson AC, Linakis JG: A Randomized Double Blind Trial of Intravenous Prochlorperazine vs. Intravenous Ketorolac for Pediatric Migraine, Archives Pediatric Adolescent Medicine (Platform Presentation, APA, Baltimore MD, May 2002).
16. **Duffy SJ**, Goldberg An, Early Experience with a Sexual Assault Protocol in a Pediatric Emergency Department. (Accepted for Poster Presentation, SAEM Regional Meeting, Worcester MA, April 2004)
17. Merchant R, Mayer K, Becker B, Pugatch D, **Duffy S**, Comparison of ED STD and Pregnancy Testing and HIV Prophylaxis Utilization after Pediatric Sexual Assault. (Accepted for Presentation, APHA, Annual Meeting, Nov., 2005).
18. **Duffy S**, McMurdy J, Crawford G, Jay G, Using Spectroscopy to Assess the Ages of Bruises, Academic Emergency Medicine(Poster presentation, SAEM, Chicago Illinois, June 2007).
19. **Duffy S**, McMurdy J, Crawford G, Jay G: Using Spectroscopy to Assess the Ages of Bruises, Archives Pediatric Adolescent Medicine (Platform presentation, PAS, Toronto, Canada, May 2007).
20. Chapman L, Pacheco A, Sullivan B, Lucas E, Draleau C, **Duffy S**, Becker B, Vein viewer Assisted Intravenous Catheter Placement in Children in a Pediatric Emergency Department (Abstract, SAEM, May 2009).
21. Zajano E, Brown L, Steele D, Baird J, Overly F, **Duffy S**; Measuring Provider Perceptions of Teamwork and Stress during Pediatric Emergency Department Resuscitations. (Abstract Accepted for Poster Presentation PAS May 2011, Denver, CO and for Platform presentation to SAEM, Boston, MA, June 2011.
22. Brown L, Overly F, Frelove S, **Duffy S**, Medical Simulation as a Tool to Teach and Assess Fluid Resuscitation in Pediatric Shock Management. Poster presentation, PAS, May 2012.
23. Overly F, Brown L, Frelove S, **Duffy S** A Quality Initiative Using Simulation Uncovers latent Hazards In a Pediatric Emergency Department. Poster presentation, PAS, May 2012
24. **Duffy S**, Brown L, Overly F Development of a Simulation (SIM) –Enhanced Multidisciplinary Teamwork Training (TT) Program in a Pediatric Emergency Department (PED). Lightning presentation, SAEM, Chicago, May 2012. Poster presentation, PAS, May 2012
25. Brown L, Zajano E, Steele D, Overly F, **Duffy S**: Does the STTaMP (survey of Teamwork and task Load 2among Medical providers) Identify Differences in provider perceptions of pediatric resuscitations after a teamwork training intervention. Poster Presentation PAS, Washington, DC. May 2013



26. Overly F, Brown L, Freelove S, **Duffy S**: Analyzing Trends in Latent Safety Threats discovered during a team training Program in a PED. Poster presentation PAS, Washington, DC, May 2013.
27. Chapman L, **Duffy S**, Capraro G, Koster M: Utilization of a Triage Screening Tool to identify Pediatric Patients at Risk for Sepsis. Submission, November 2014 to Pediatric Academic Society Annual Meeting, May 2014.
28. Wing R, Chapman L, Steele D, **Duffy S** Triage Administration of Ondansetron for Pediatric Vomiting is Associated with Improved Outcomes. Accepted as Platform Presentation. AAP National Conference, Washington, DC, October 2015
29. Chapin K, **Duffy S**, Leblanc L, Bushey E, Stockman C, Daly J, Selvarangan R, Kanwar N, Jackson J, Pavia A Comparison of Results obtained with the Film Array GI Panel Using Rectal Swabs and Cary-Blair stool in patients presenting with Gastroenteritis in the pediatric Emergency Department. Accepted as Poster Presentation, American Society for Virology, June 2016.
30. Bourzac K, Holmber K, Stockman C, Cohen D, Leber A, Daly J, Jackson J, Kanwar, N, Selvarangan R, Bender J, Dien Bard J, Festekjian A, **Duffy S**, Pavia A, Chapin K Missed Opportunities for Treatment: Implementation of a Molecular Diagnostic for pediatric Acute Gastroenteritis: The Film Array GI Panel Impact Study. Accepted for Poster presentation American Society for Microbiology, June 2016, Boston MA. and ECCMID, Amsterdam
31. **Duffy S**, Barron C, Goldberg A, Evaluating a Screening Instrument for Identifying Historical Elements Differentiating Accidental and Non Accidental Injury in Pediatric Emergency Patient. Accepted as a PosterPresentation at Children's Bureau 20<sup>th</sup> National Conference on Child Abuse and Neglect, Washington DC, August, 2016.
32. Diel Bard J, Feestekjian A, Stockman C, Leber A, Daly J, Jackson J, Selvarangan R, Kanwar N, **Duffy S**, Holmberg K, Bourzac K, Chapin K, Pavia A, Bender J Impact of the Biofire Film Array gastrointestinal panel in Children hospitalized for acute gastroenteritis. Accepted for Poster Presentation, Infectious Disease Society of America ID Week, October 2016, New Orleans LA
33. Stockman C, Cohen D, Leber A, Daly J, Jackson J, Selvarangan R, Kanwar N, Bender J, Dien Bard J, Festekjian A, **Duffy S**, Holmberg K, Bourzac K, Chapin K Implementation of a Molecular Diagnostic Test for Pediatric Acute gastroenteritis, The Film Array GI Panel Impact Study. Accepted For Poster Walk Presentation, Infectious Disease Society of America ID Week, October 2016, New Orleans, LA
34. Escobar A, Auerbach M, Gunjan T, **Duffy S**, Falcone K, Cox J, Borgman M, Burke K, Obien K, Maguire S The Association of Non-Accidental Trauma with Historical Factors, exam Findings and Diagnostic Testing During the Initial Trauma Evaluation. Poster Presentation, Pediatric Trauma Society Annual Meeting, November 2016.
35. Prabhu E, Birnbaum F, Darveau S, Duffy S, Chen W, Steele D, "Do You See What I See?" Evaluating the Fundus With a Retinal Camera by Pediatric Emergency Medicine Providers, Platform Presentation, Eastern SPR Annual Meeting, June 2016, Philadelphia , PA.
36. Wing R, Baird J, **Duffy S**, Brown L, Overly F, Nocera M, Merritt C Development and Validation of a Simulation based Tool to Assess Residency Competency in pediatric Airway Management. Poster Presentation SAEM Annual Meeting, June 2017, Orlando, Florida .
37. Chapin K, Leblanc L, **Duffy S**, Bushey E, Stockman C, Daly J, Selvarangan R, Kanwar N, Jackson J, Paiva A, Comparison of Results Obtained with the Film Array GI Panel using Rectal Swabs and Carey-Blair stool from patients with gastroenteritis in the Pediatric Emergency Department. Poster presentation ECCMID, Vienna, Austria April 2017
38. **Duffy S**, Barron C, Goldberg A, Steele D, Evaluating and Electronic Screening Instrument to identify the Relationship between Non Accidental Injury and Child protection team Evaluation in a Pediatric Emergency Department. Poster presentation, PAS Annual meeting, May 2017, San Francisco, CA.
39. Kanwar N, Jackson J, **Duffy S**, Chapin K, Cohen K, Leber A, Daly J, Paiva A, Larsen C, Baca T, Bender J, Dien Bard J, Festekjian A, Holmberg K, Bourzac K, Selvarangan R, FilmArray GI Panel for viral acute

gastroenteritis detection in Pediatric patients, ID Week, October, 2017, San Diego CA.

40. Smith T, Xiangyang Y, Stockman C, Cohen D, Leber A, Daly J, Jackson J, Selvarangan R, Kanwar N, Bender J, Dien Bard J, Festekjian A, **Duffy S**, Larsen C, Baca T, Holmberg K, Bourzac K, Chapin K, Paiva A, Leung D, Clinical Predictors of Shigella and Campylobacter infections in children in the United States. ID Week, October 2017, San Diego, CA.
41. Demartino P, Pennarola B, Steele D, **Duffy S** Painful Transitions - A Comparison of Acute Pain management in Children and Adolescents and Young Adults with Sickle Cell Disease in Adjacent Pediatric and Adult Emergency Departments. Poster Presentation ASH Annual Meeting December 4, 2018 San Diego, CA
42. **Duffy S**, Brister, J, Donise K Treatment of Behavioral Health Crises in a Pediatric Emergency Department Poster presentation, Pediatric Academic Society Annual Meeting, Baltimore MD, May 2019.
43. Leviter J, Dessie, A Zhang A, , Baird J, Charles-Chauvet D, Frackiewicz L, **Duffy S**, Buckle Me Up, A Computerized Individually Tailored ED Discharge Information for Child Car Restraint Safety Education Abstract presented AAP NCE, New Orleans October, 2019
42. Marte D, Jiminez Y, Baird J, Brister J, **Duffy S** Evaluating disparities in pediatric emergency care for Spanish Speaking Families. Oral Poster Presentation American College of Emergency Physicians Annual meeting, Denver, CO October 2019)
43. D Charles Chauvet, L Frackiewicz, J Leviter, A Zhang, J Baird, **S Duffy**, Buckle Me Up: A Randomized Oral Presentation Controlled Pilot of an Intervention for Child Car Safety Education
- 44.. Gordon C, Decroce-Movson E, **Duffy S**, Evaluating the Use of Drug Facilities Sexual Assault testing in the Emergency Department (IRB approved 2/2018, Poster, NERDS Wednesday, March 25<sup>th</sup>, Worcester MA 2020

#### **SCHOLARLY WORK PUBLISHED IN OTHER MEDIA WEB BASED**

1. Developed Hasbro Children's Hospital Pediatric Emergency Department Web Site, 2010-present  
<http://intra.lifespan.org/pediem/>
2. Developed Hasbro Children's Hospital Pediatric Emergency Medicine Patient Education Website and Undergraduate Student Patient Education Program 2010.
3. Developed and Participated in video presenting Bruising Child Abuse Research as recipient of funding by Gerber Foundation Grant to University of Notre Dame **Fighting to Protect Our Children**
4. Developed, Hasbro Children's Hospital Guidelines for Reporting Child Abuse, 1995.
5. Hasbro Children's Hospital Child Abuse Data Base, physician developer, 1995.
6. Developed, Domestic Violence Curriculum for RI Hospital Health Care Professionals, 1996.
7. Developed multi-specialty Protocol for Management of Victims of Pediatric and Adolescent Acute Sexual Assault, 2000, last revised, 2017.
8. Developed Hasbro Children's Hospital Emergency Department Pediatric Nurse Practitioner Program Guidelines, 2006-present
9. Developed Hasbro Children's Hospital Fast Track Medical Guidelines, 2008
10. Developed, Care Protocol for Pediatric Psychiatric Evaluations, Hasbro Emergency Department, 2007.
11. Developed, Nurse Initiated Emergency Pain Protocol, Hasbro Emergency Department, 2008.
12. Developed Nitrous Oxide Anxiolysis Program in the Pediatric Emergency Department, 2009

13. Co-developed Post sedation monitoring scale, a quality measure in the Pediatric Emergency Department. 2009-2010.
14. Developed, Emergency Department Child Abuse Injury Screening Tool, 2013
15. Developed Pediatric Ischemic Stroke Protocol and coordinated collaborative neurology EM grand Rounds on Pediatric Stroke. 2014-15
16. Published Hasbro CH Pediatric Emergency Medicine Guidelines (2016-2021):  
<http://intra.lifespan.org/scripts/documents/index.php?path=rih/hch/guidelines&d=Pediatric+Emergency+Medicine+Clinical+Guidelines>  
 - Guideline for management of Pediatric Fever ages 0-56 days  
 - Guideline for Management of Fever and Oncology  
 - Guideline for Management of Pain and Fever in Sickle Cell Disease  
 - Guideline for Management of Acute Asthma  
 - Guideline for management of Complicated Pneumonia  
 - Guideline for Acute Agitation of Pediatric Patient (currently in P and T review)
17. Developed multi-specialty Protocol for Management of Victims of Adult and Adolescent Acute Sexual Assault, 2017, update 2018., 2020,2022

## SCHOLARLY WORK PRESENTED AND NOTED IN OTHER MEDIA

1. More US Youth Seeking Help during Psychiatric Emergencies. Press Interview. *Reuters*, 3/2019
2. Initiative Seeks to Raise Sepsis Awareness, News TV Interview, WPRI Channel 12, Providence, 4/29/2019
3. Hospital Initiative to Treat Pediatric Sepsis, News TV Interview, ABC 6, Providence, RI, 4/29, 2019
4. With New protocols Early Diagnosis, Treatment, Improve Outcomes, Press Interview, *Providence Business News*, May 17, 2019
5. The Doctor is Here, *Medicine @Brown*, Winter 2021
6. In RI, Now You Can Talk to a Local ER Doctor Without Leaving Home, *Providence Journal*, November 25, 2020
7. Experts Concerns of the Mental Health of Kids in the Pandemic. Rhitu Chatterjee NPR, January 2021  
<https://www.npr.org/2021/01/25/960465861/experts-express-concerns-over-mental-health-of-some-kids-in-the-pandemic>
8. Make Space, Listen, Offer Hope. How to help A Child At Risk of Suicide. Rhitu Chatterjee NPR, February, 2021  
<https://www.npr.org/sections/health-shots/2021/02/02/962185779/make-space-listen-offer-hope-how-to-help-a-child-at-risk-of-suicide>
9. I've Tried Everything': Pandemic Worsens Child Mental Health Crisis, Cory Turner, Christine Berman, Rhitu Chatterjee <https://www.npr.org/sections/health-shots/2021/01/18/953581851/ive-tried-everything-pandemic-has-cut-options-for-kids-with-mental-illness> [npr.org], January 18, 2021

## INVITED PRESENTATIONS

### Local

1. Presenter, Course, Emergency Medicine for the Pediatrician, Massachusetts General Hospital, Harvard University, December 1991. "Case Studies in Emergency Pediatrics".
2. Presenter, Course, Emergency Medicine for the Practitioner, Massachusetts General Hospital, Harvard University, May 1992. "Pediatric Shock and Airway Management".
3. EMT-C Lecture Seminar, "Pediatric Emergencies," Brown Medical School, January, 1994.
4. Presenter, Rhode Island Governor's Justice Commission Conference,

Victims of Violence Issues, May 1995. "Child Abuse, the Hospital Response".

5. Presenter, Rhode Island Kiwanis Pediatric Trauma Conference November, 1995. Abdominal Trauma and Child Abuse.
6. Grand Rounds, Newport Hospital Department of Medicine, Domestic Violence and Health Professionals, April, 1996.
7. Grand Rounds, Department of Pediatrics, Hasbro Children's Hospital, Domestic Violence in a Pediatric Emergency Department, August, 1996.
8. Course Instructor Recognizing Physical and Sexual Violence Against Women in Health Care Settings,  
\* St. Joseph's Hospital Providence RI, June. 1996.
  - \* Fatima Hospital North Providence RI, June 1996.
  - \* Landmark Hospital, Woonsocket RI, April 1996.
  - \* Westerly/South Country Hospitals RI, June 1997.
  - \* Women and Infants Hospital, Providence RI, February 1998.
  - \* Rhode Island Hospital, April 1998

9. Presenter, Hospital Response to Domestic Violence, RI Governor's Justice Commission Conference, May, 1996.
10. Grand Rounds, Newport Hospital, Adolescent Physical and Sexual Assault, April, 1998.
11. Presenter, Peter D Smith Memorial Trauma Seminar, Health Care Providers and Domestic Violence, May 1998.
12. Grand Rounds, Department of Orthopedics, Rhode Island Hospital, Brown University, Recognizing Victims of Domestic Violence in Medical Practice, January, 1999.
13. Instructor, Pediatric Emergency Medicine Traveling Lecturer Series for Community Pediatricians, 1999-2000.
14. Grand Rounds, Department of General Internal Medicine, Rhode Island Hospital, Brown University, Recognizing Domestic Violence in Ambulatory Practice, March, 2000.
15. Grand Rounds, Department of Internal Medicine, Rhode Island Hospital, Brown University. An update on Domestic Violence. November 2002.
16. Grand Rounds, Department of Pediatrics, Hasbro Children's Hospital, Brown University, An update on Domestic Violence. January, 2003.
17. Instructor, "Office Based Pediatric Emergencies", Brown University, Rhode Island American Academy of Pediatrics sponsored course. Rhode Island Hospital Simulation Center. May, 2005.
18. Instructor, "Managing Pediatric Emergencies for Emergency Medicine Physicians". Rhode Island Hospital Simulation Center, September 2006, December, 2007, December 2008, May, 2009, December 2009., May 2010.
19. Guest Faculty Presenter, "The recognition of child abuse in the Emergency Department" Newport Hospital, June, 2009.
20. Presenter, Pediatric Emergencies for Emergency Providers, a Simulation Experience. Rhode Island Chapter of American College of Emergency Physicians Annual Educational Conference, Providence, Rhode Island, November 2014.
21. Presenter, "The Medical Evaluation of Adolescent Victims of Acute Sexual Assault" Brown University Health Services Academic Year Retreat, September 2015.
22. Presenter, "Cardiac Emergencies in Pediatric Emergency Medicine, The basics of Pacemakers", Hasbro Children's Hospital RN/MD Collaborative Care Committee, Rhode Island Hospital, September 2015
23. Presenter "The Identification and Evaluation of Victims of Minor Sex Trafficking in Emergency Departments", Medical Symposium, on Domestic Minor Sex Trafficking (DMST), Alpert Medical School of Brown University, Hasbro Children's Hospital, November 2015.
24. Presenter with Kimberle Chapin, MD "The Scoop on Poop: Current Trends in the Diagnosis of Pediatric Acute Gastroenteritis, Pediatric Grand Rounds, Hasbro Children's Hospital, Department of Pediatrics, Brown University, May 2016
25. Presenter "The Identification and Evaluation of Victims of Minor Sex Trafficking in Emergency Departments" Department of Emergency Medicine Lecture on Social Issues in Emergency Medicine, Brown University. June 2016.
26. Presenter "The Management of Acute Adolescent Sexual Assault" Women and Infant's Hospital Course Sexual Assault Nurse Examiner Training Program. October 31, 2016.
27. Speaker, "The Impact of Legalization of Recreational Marijuana on Children" The Rhode Island Attorney General's Forum on Marijuana Legalization. March, 2017
28. Presenter, "Screening for Child Abuse and Recognizing Sentinel Injuries", The Rhode Island Annual Pediatric Trauma Symposium, Rhode Island Hospital, May, 2018

29. Presenter, "Pediatric Sepsis, Challenges in Recognition and Management" Pediatric Grand Rounds, Department of Pediatrics, Alpert Medical School, Brown University, June 2018
30. Presenter, "Making the Case for Screening Adolescents for Suicide in the ED" Emergency Medicine Grand Rounds, Brown University, November 2019.
31. Presenter, "The Challenges in Diagnosing Sepsis in Children" Department of Pediatric M and M, Brown University, May, 2021

## **Regional**

1. Presenter, American College of Emergency Physicians New England Conference, Newport Rhode Island, A Developmental Perspective on Childhood Injury, August 1999  
Panel Member, American Academy of Pediatrics Regional Pediatric Advocacy Conference, The Role of Research in Advocacy, September, 2000.
2. Faculty Presenter, Course, Problems in Pediatrics, Department of Pediatrics, Brown University, Colby College, A Developmental Perspective on Pediatric Injury and Case Studies in Adolescent Violence, July 2000.
3. Presenter, American College of Emergency Physicians New England Conference, Newport, Rhode Island, Case Studies of Adolescent Emergencies., August 2000.
4. Presenter, American College of Emergency Physicians New England Conference, Newport Rhode Island, Is it an Accident? The Differential Diagnosis and Indicators of Child Physical Abuse in the Emergency Department. August 2004.
5. Presenter, Rhode Island Regional EMS Conference, "Sudden Unexplained Infant Death", May, 2007, 2008.
6. Co-Director, Instructor, Sexual Assault Nurse Examiner Training, sponsored by Day One Advocacy Agency, State of Rhode Island Attorney General's Office, Women and Infant's Hospital, March, 2008,  
  
Presenter, Rhode Island Regional EMS Conference, "Pediatric Toxicologic Emergencies", May 2009.
7. Presenter, "Careers in Medical Administration in Pediatric Emergency Medicine", Pediatric Emergency Medicine Fellows Northeast Regional Conference, Brown University, Providence RI, September 2013.
8. Presenter, "Early Career Development Panel", Society for Academic Emergency Medicine, New England Research Conference, Boston MA, April 2015.
9. Presenter, "The Medical evaluation of Adolescent Victims of acute sexual assault" New England College Health Services Consortium. University of Rhode Island, May 2015
10. Presenter "Popular Adolescent Street Drug and Paraphernalia Use" Annual Meeting RI Chapter of American Academy of Pediatrics, Shriner's of Rhode Island, November 2016
11. Presenter, Sexual Assault Nurse Examiner Training, sponsored by, Women and Infant's Hospital, Day One Advocacy Agency, Rhode Island Governor's task Force on Sexual Assault, Women and Infant's Hospital, March, 2008-2010, 2017.
12. Workshop Organizer and Presenter: Substance Abuse Screening Brief Intervention and Referral to Treatment Training for General Pediatricians. American Academy of Pediatrics, Healthy Tomorrows 2020 Substance Abuse Prevention Initiative. Rhode Island College, Providence RI October 5, 2017.
13. Presenter: Substance Abuse Brief Intervention and Referral to Treatment in Pediatric Primary Care. 2017 Annual Learning Collaborative: Primary care Works: Effective Strategies to Improve Population Health and Patient Activation. Sponsored by Brown University., Warwick, RI. November 2017
14. Presenter: Management of Opioid Overdose in pediatric Office Settings. 2019 American Academy of Pediatrics Rhode Island Chapter Educational Forum. Office Based Emergencies: Simulation Training. Rhode Island Simulation Center, January 2019.

15. Panelist: Issues of Adolescent Confidentiality and Substance Use. 2019 American Academy of Pediatrics Rhode Island Chapter/ Brown Medical School Conference on Adolescent Confidentiality and substance use for Pediatric Medical Providers. May 30,2019, Alpert Medical School, Brown University, May 2019
16. Presenter: Building A Resilient Career in PEM, New England Regional Pediatric Emergency medicine Fellow Retreat, Brown University, March 5, 2020.

## **National**

1. Presenter, “Teaching Pediatric Emergency Medicine Using Simulation”. Workshop, Society of Academic Emergency Medicine, Annual Meeting, Washington, DC, May 2008.
2. Presenter, “Implementing a Pediatric Sedation Curriculum Using Simulation”, Workshop, Pediatric Academic Societies Annual Meeting, Vancouver, BC, May 2010.
3. Expert Panel Member/Presenter, Improving Acute Care Discharge and Transitions for Suicide Prevention, SAMSHA Technical Expert Meeting, Washington DC, August 2017.
4. Expert Panel Member, Critical Crossroads: Pediatric Mental Health Care in the Emergency Department. Development of A Care Resource Toolkit, U.S> Department of health and Human Services Health Resources and Services Administration (HRSA), November 12, 2018
5. Expert Panel Member, National Summit for Policy and Action on Teen Mental Health Crises, Academy Health, Washington, DC June 2019
6. Expert Panel Member and Presenter, Building Robust Systems for Suicide Screening and Treatment Pathways for Youth in Pediatric Settings, Substance Abuse and Mental Health Services Administration, June 24-25, 2019
7. Presenter American Academy of Pediatrics SOEM/SOSU/SONS Gun Advocacy Joint Program, AAP NCE October, 2019
8. Member of EIIC Advisory Council for EMS for Children Innovation and Improvement Center with focus on developing Mental Health Quality Collaborative, HRSA funded, 2020-2025
9. Member of EMS-c Targeted Issues Grant Subject Matter Expert Panel for National pediatric Readiness Project Quality Initiative. Kate Remick, Beth Edgerton CO-I. 2020-2024
10. Member EMS for Children Telehealth Advisory Committee. 2020-2022

## **International**

1. Presenter,” Implementing a Pediatric Sedation Curriculum Using Simulation”, Workshop, International Meeting on Simulation in Healthcare, New Orleans, LA, November 2010
2. Presenter, “Difficult Conversations in Pediatric Emergency Medicine”, Workshop, International Meeting on Simulation in Healthcare, New Orleans, LA, November 2010
3. Presenter, “Medical errors: The Art and Science of Apology”. Workshop, International Meeting on Simulation in Healthcare, 2011.
4. Presenter, “Pearls and Pitfalls. The Development of an in situ simulation enhanced program to assess clinical settings and systems”. Workshop, International Meeting on Simulation in healthcare, San Diego, 2012.
5. Presenter, “Safety First, Procedural Sedation Curriculum Using High Fidelity Simulation”, Workshop, International Meeting on Simulation in healthcare, San Diego, 2012.
6. Presenter “Making the Case For Screening Adolescents for Suicide” Injury Prevention Special Interest Group, Pediatric Academic Society, Toronto, Canada, May 2018

## **COURSE DIRECTOR/ REGIONAL**

1. Office based Emergency Simulation for General Pediatricians. American Academy of Pediatrics Sponsored CME Event. January 2019, Rhode Island Hospital Medical Simulation Center
2. Adolescent Substance Abuse and Confidential Care, American Academy of Pediatrics Sponsored CME Event, May 2019. Alpert Medical School, Brown University



## GRANTS

1. 1997-1999- Co-Recipient of \$30k/ award to the Network to End Domestic Violence and Sexual Assault, to develop and implement a Hospital Advocacy Program for Victims of Violence (HAPV) and health provider training. Funded by, the Centers for Disease Control, Rhode Island Violence Against Women Prevention Program. As the physician member of the “Network”, I acted as the grant facilitator in the hospital setting and physician educator, through in-kind contribution
2. 2001-2004- Physician Reviewer, Surveillance of Child Maltreatment Morbidity in Rhode Island. CDC Grant 02040; Principal Investigator, William Hollinshead MD, Medical Director, Division of Family Health, RI Department of Health, Co-Investigator, Carole Jenny, MD, MBA, Co-Investigator,

Verhoek-Oftedahl Wendy, PhD. 2002-2004. In-kind contribution.

3. 2005- Co- Recipient with Gregory Crawford PhD, Eric Suuberg PhD and Gregory Jay MD, PhD of a Brown University Research Seed Funding Grant of \$86,638 entitled “A Research Problem Selection Paradigm Based on Medical Needs”. Funding provided to develop a Brown University- Rhode Island Hospital Cooperative Research Network and support engineering graduate researchers.
4. 2005- Physician Collaborator with Gregory Jay MD, PhD, PIs Gregory Crawford PhD, Eric Suuberg PhD, \$35K grant from Student Entrepreneurship through Interacting with Physicians, “A Problem Solving Selection Paradigm Driven by Medical Needs. Supports graduate student collaborative research in emergency medicine.
5. June 2005- Co-recipient with Donna LaFontaine, MD, Women and Infants Hospital of \$30K grant from Rhode Island Victims of Crime Administration for seed and educational funding to develop hospital based Sexual Assault Nurse Examiner programs at Women and Infants and Rhode Island Hospital.
6. January 2006- One of 3 Physician Collaborators with *Day One* sexual assault advocacy group who were recipients of a \$50K grant from the RI Foundation to develop a Sexual Assault Nurse Examiner program in Rhode Island
7. December 2009- Principle Investigator of a Rhode Island Risk Management Foundation grant award for \$58,000. Project: “Integrating a Multidisciplinary Teamwork Training Program into the Pediatric Emergency Department”.
8. July 2010- Co-recipient with Gregory Crawford PhD, Mark Alber PhD, Zhiliang Xu PhD, Jill Veselik MD on Gerber Foundation Award of \$45K/yr for 2 years to investigate “Using Color Analysis to Date Cutaneous Bruises: Correlating Visible Appearance, Spectroscopic and Color Emissions with Tissue Breakdown Products.
9. September 2012 - Investigator, Rhode Island Risk Management Foundation Grant award for \$18,000. Project: “Vital Signs: A quality Improvement project to Improve Patient Outcomes and Return Visits in the PED.
10. October 2013- Principle Investigator, Susan Duffy, MD: Co Investigators: Marge Paccione Ph.D, Lynn Pittsinger, RN, MSN, CPNP-PC. Risk Management Foundation Grant Proposal: Improving Patient and Staff Safety through Safetycare training in the Hasbro ED. Grant award \$50,000
11. November 2014- Principle Investigator, Frank Overly, MD: Co-Investigator: Susan Duffy, MD, Linda Brown MD, Lynn Pittsinger, RN, MSN, CPNP-PC, Rebecca Rabidoux, RN, MSN, Michelle Bargteil RN. Risk Management Foundation Grant Proposal: Hasbro Emergency Department Resuscitation Bay Simulation program for ongoing team training, systems testing and assessment of performance during actual pediatric resuscitations.
12. July 2015- Site Investigator, NIMH funded, PECARN administered 3 year, multi center grant award for \$306,566 to investigate “Emergency Department Screen to detect Adolescent Risk for Suicide (ED STARS)
13. September 2015- Site Investigator, GI Biofire funded award of \$ 67,500 to investigate “The FilmArray GI Panel Impact Study”. 1 year grant
14. June 2016- Principle Investigator, Co Investigators William Gosse, and Gregory Jay MD, PhD. UEMF Seed Grant award of \$300 to support data analysis and modeling in “Predicting Bruise Age with with neural network Driven Algorithms
15. June 2016- Faculty Applicant with Fellow Applicant, Almaz Dessie. Lifespan Graduate Medical Education

Committee Award of \$2000 for Support of Research and Quality Projects: AY2016-2017. “Buckle Me UP! A Computerized Individually Tailored Emergency Department Discharge Intervention for Child and Adolescent Car Restraint Safety Education.

16. October 2016- RO1 Principle Investigator, Nicole Nugent, PhD, Co Investigators: Thomas Chun, MD, Susan Duffy, MD, Megan Ranney, MD, 5 year NIMH Grant \$3.3 M, Social Context Following Trauma. 07/16-03/21
17. January 2017- Principal Investigator, Co Investigators Almaz Dessie MD, Janette Baird, PhD, Dina Burstein, MD, MPH, Julie Leviter, MD, UEMF Small Project Grant Award, \$8150 for Research Project “Buckle Me UP! A computerized Individually tailored Emergency Department Intervention for Child and Adolescent Car Restraint Safety Education 6/2017-12/2021
18. May 2017- 2019 Principal Investigator/ AAP Chapter Project Leader, Co Investigators Patricia Flanagan, MD, Ailis Clyne MD, Elizabeth Lange, MD, Selby Conrad, PhD. 18 month, \$20,000 American Academy of Pediatrics Friends of Children Fund 2020 Chapter Grant, “A Pediatrician Learning Collaborative to Incorporate Substance Use Screening, Brief Intervention and Referral to Treatment (SBIRT) into Routine Adolescent Visits in Community Practices.
19. May 2018- Faculty Mentor and Investigator to Denise Marte MS-IV Alpert Medical School, Brown University Peterson Family Grant, for \$2000 to support qualitative Research Study “Language Disparities Impacting care in the Pediatric Emergency Department” 06/18-06/20
20. February 2019 Principal Investigator; Educating Health Care Providers To Screen, Recognize and Treat Pediatric Sepsis. AN educational initiative and Toolkit Development and Implementation Project. \$10K. Gianna Cirella Foundation. 02/19-06/21
21. February 2019- Site Investigator, with Co- Investigators Karen Kerman, MD and William Brown ,MD , Migraine Registry: A National Registry of Children and Adolescents. Sponsor FDA, Duke Clinical Research Institute, \$11,250 to enroll 10 patients to follow 02/19-08/22.
22. June 2019 . Principal Investigator, Co-Investigator, Erica Hardy, MD Academic Assessment Award BPI. Developing a Sexual Assault Curriculum and Educational Program for multidisciplinary Healthcare providers. \$24,900 1 year. Brown Physicians Inc. Grant. 07/01-12/31 2021
23. Mentor/Faculty Advisor American Academy of Pediatrics CATCH Grant Awarded to Carly Schmidt MD, Jessica Kelly MD, Assessing Compliance of RI High Schools in implementing Graduation Requirement for Competency in CPR. \$2000. 06/20-/12/21
24. Developer, Department of Emergency Medicine, Brown University Early Faculty Mentor Program. Departmental Award \$5K. 2020-2021
25. Principal Investigator: HRSA EMS for Children Innovation and Improvement Center Telehealth Collaborative Grant (Duffy) RI-TLC (Telehealth Learning Collaborative): Emergency De-escalation and Safe Transport of Pediatric Patients with Behavioral Health Crises 01/01/2021-06/30/22
26. Site PI: NIH (R01) Pennsylvania Department of Health Commonwealth Universal Research Enhancement Program, Children’s Hospital of Philadelphia Research Institute (Balmuth/Weiss) Balanced Fluid Resuscitation to Decrease Kidney Injury in Children with Septic Shock (PRoMPT BOLUS) 10/2020-06/2025. 5% support
27. Mentor/Advisor American Academy of Pediatrics, Community Access to Child Health (CATCH) Award \$10K An Emergency Department Based Food Insecurity Intervention , PI Stephanie Ruest MD, Celeste Corcoran, MD Co-I, December 2021
28. Department of Justice OVC FY 2021 Expanding Sexual Assault Nurse Examiner (SANE) Services to Victims of Sexual Assault, “RI SAFE Program” Role P1. 5% support, 5% In kind) CO PI; Cynthia Danner RN, Co I

29. Injury Prevention COBRE, Derivation of a Clinical prediction Rule for pediatric Abusive Fractures 12/01/21-11/30/2026. Role Primary mentor (5% Effort) S Ruest MD, MPH PI, COBRE PI Mello/Ranney/Beaudoin

## **GRANTS SUBMITTED AND UNDER REVIEW**

1. NICHD, R21 Fractures in Young Children: Investigating Patient Factors, Fracture Characteristics and Context of Injury in a Pediatric Emergency Care Network. Role PI (7.5% Effort). Co PIs Elizabeth Alpern, MD, MPH, Carsten Eickhoff PhD, Stephanie Ruest, MD MPH Submission 06/20. New submission plan 06/22.

## **UNIVERSITY TEACHING**

1. Patient Doctor I Course Instructor. Harvard Medical School. Approximately five hours per week bedside teaching and discussion for eight first year medical students. 1991-1993.
2. Ambulatory Clinic Preceptor. Massachusetts General Hospital, Harvard Medical School. Eight hours per week of clinical supervision of pediatric residents. 1991-1993.
3. Ambulatory Pediatric Clerkship, Brown University Program in Medicine. Approximately four hours per week for six weeks of bedside teaching of two third year medical students. 1995
4. Co-Leader, Affinity Group on Violence Against Women. Brown University Program in Medicine, 1995, 1996.
5. National Youth Leadership Forum on Medicine, Presented "Childhood Injuries", July, 1995.
6. Physical Diagnosis Instructor for Second Year Medical Students, "Interviewing Patients About Violence", Brown University School of Medicine. 1996-2002.
7. Faculty, Medical Interviewing for First Year Medical Students, "Interviewing Patients about Violence", Brown University School of Medicine, 1999-present.
8. Resident Advisor Department of Pediatrics, Rhode Island Hospital, Brown University, 1996 - Present.

9. Pediatric Service Attending, Hasbro Children's Hospital, Brown University, 1997-2007.
10. Co-Instructor, Brown University Course BIO 570, Creating a Safe Community Through Injury Prevention Research 1998-2001.
11. Lecturer, Brown University Course, Bio-Community Health 152, Emergency Medical Services, 1998-present.
12. Assistant Director, Brown University Pediatric Clerkship BioMed #450, 2001-2007.
13. Director, Brown University Pediatric Advanced Clerkship in Pediatrics, Biomed 463, 2001-2007.
14. Undergraduate and Medical Student Independent Study Project Sponsor and Advisor, Brown University, 1998,1999, 2003,2004,2006,2007.
15. MPH Thesis Co-Advisor, 2007-08. Adolpho A, An "Adolescent Suicide in Rhode Island"
16. Co-Leader, Pediatric Emergency Medicine component of the Pediatric Clerkship, BIOMED #450 (all 3<sup>rd</sup> year medical students/yr, 3hrs/wk). 2007-2010.
17. Section Coordinator, Interpersonal Violence, MS-1 Doctoring Course, 2007, 2009
18. Developed and Directed, Brown University, Division of Pediatric Emergency Medicine, Education Retreat, September 2015, Providence, Rhode Island
19. Faculty Mentor, Brown University Summer Research Assistant, Spencer Darveau, PLME '19. Project: Using a Digital Retinal Camera to improve the Fundoscopic Exam in Pediatric Emergency Providers, Summer 2016.
20. Faculty Mentor, Brown University Summer Research Assistant, Kathleen Wu, PLME '20. Project: Creating a website for patient education in the pediatric emergency department. Summer 2017.
21. Faculty Mentor, AMS Brown University Summer Research Assistant, Angela Zhang 'MD 20. Developing and investigating an interactive education instrument to educate families about appropriate car restraints in the pediatric emergency department. Spring/Summer 2017.
22. Course Mentor/Instructor, Rhode Island School of Design/ Brown University course: Industrial Design/ Healthcare: Tool Design. Fall Semester 2017.
23. Population Health MD/MS Advisor 2020-present

## **HOSPITAL TEACHING**

1. Senior Project Mentor, Barrington High School, 2005-2015
2. Rhode Island Hospital Pediatric Simulation Faculty 2006-Present.
3. Instructor, Annual Sedation Competency Training Course for PEM Fellows, Senior EM and Pediatric Residents and APPs working in the Hasbro Children's Hospital Emergency Department 2009-2015
4. Director, Nitrous Oxide Competency Training for Physicians and Advanced Practice Providers Lifespan Emergency Departments 2009-present.
5. Medical Coordinator RI SANE Program, 2010-2012.
6. Director, Sexual Assault Examiner training seminar for Resident and Fellow medical trainees, Advance practice providers and medicine faculty and, Rhode Island Hospital yearly training and biyearly seminar 2014-present
7. Co-Facilitator, Pediatric Emergency Medicine Morbidity and Mortality Conference 2010-Present
8. Instructor, Hasbro Children's Hospital Zero Harm Quality Initiative, 2014-15.
9. Instructor, Bi- Annual Airway Competency Course for all Resident trainees working in the Hasbro

Children's Hospital Emergency Department, 2016-Present

10. Instructor Intern PALS and Resuscitation Skills Course "Pediatric Sepsis Resuscitation Overview"  
June 2018,2019

**Current Academic and Research Mentees (2020-2021)**

Stephanie Ruest, MD Assistant Professor, Department of Emergency Medicine and Pediatrics, Brown University\  
Laura Mercurio, MD Assistant Professor, Department of Emergency Medicine and Pediatrics, Brown University  
Alicia Genisca, MD Assistant Professor, Department of Emergency Medicine and Pediatric, Brown University  
Rebecca Levin, MD Pediatric Emergency Fellow, Rhode Island Hospital, Department of Emergency Medicine, brown University  
Charles Wulff, MD, Child and Adolescent Psychiatry Fellow, Rhode Island Hospital, Department of Child and Adolescent Psychiatry, Brown University  
Carly Schmidt, MD, PGY3, Department of Pediatrics, Hasbro Children's Hospital, Brown University  
Jessica Kelly, MD, PGY3, Department of Pediatrics, Hasbro Children's Hospital, Brown University  
Almaz Dessie, MD, Assistant Professor, Department of Pediatrics, Columbia University  
Denise Marte, MD, PGY1, Department of Emergency Medicine, Columbia University ( formerly AMS, Brown)  
Yilenia Jimenes, AMS, Brown University, MS3  
Angela Zhang, AMS, Brown University, MS4  
Danielle Charles-Chauvet, AMS, Brown University, MS3  
Katya Lavine, AMS, Brown University, MS2  
Martha Ormanoski, AMS, Brown University, MS1 (AMS Population Health MS Track, Research Mentor)  
Alicia Rocha, AMS Brown University, MS1 (Summer Research Assistant Mentor)