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CURRICULUM VITAE

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Pediatric Emergency Medicine
Rhode Island Hospital
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EDUCATION

Undergraduate: University of Vermont, Burlington, VT
Phi Beta Kappa and Mortar Board Sophomore
Award, Outstanding Senior in Zoology B.A. in
Zoology, Magna Cum Laude, 1977-1981

Medical School: University of Vermont College of Medicine, Burlington, VT
Student Pathology Fellowship 1/83-12/83
MD, 1981-1986

Graduate: Master of Science in Statistics, University of Rhode Island,
12/30/2011

POSTGRADUATE TRAINING

Residency: Pediatrics, University of Colorado School of Medicine and
Affiliated Hospitals, Denver, Colorado, 1986-1989
Pediatric Chief Resident, University of Colorado School of
Medicine and Affiliated Hospitals, Denver, Colorado, 1989-1990

Fellowship: Pediatric Emergency Medicine, The Children's Hospital of
Philadelphia, Philadelphia, PA, 1990-1992

Additional Programs: New England Epidemiology Institute, Summer Program, 1990.
Teaching of Tomorrow workshop series, UMass Community
Faculty Development Center, 2002-2003
Evidence Based Clinical Practice workshop, McMaster University,
2004.
Indirect and Mixed Treatment Comparisons, Short Course,
University of Bristol, UK, September 2019.

Coursework at Brown University:

BC 0213 Principles of Biostatistics & Data Analysis, Fall 2002
BC0216 Applied Regression Analysis, Spring 2003

Coursework at URI as master's student in Statistics:

MTH451 Intro. Probability and Statistics, Spring 2004
MTH452 Mathematical Statistics, Spring 2005
STA550 Ecological Statistics, Fall 2005
STA502 Applied Regression Analysis, Spring 2006
STA541 Multivariate Statistical Methods, Fall 2006
STA612 Structural Modeling, Fall 2006
STA542 Categorical Data Analysis Methods, Spring 2007
STA515 Spatial Data Analysis, Fall 2007
STA536 Applied Longitudinal Analysis, Spring 2008
STA501 Analysis of Variance & Variance Comp., Spring 2008
STA592 Computer Intensive Methods, Spring 2009
STA545 Bayesian Statistics, Fall 2009
STA500 Nonparametric Statistics, Spring 2010

Thesis: CLINICAL PREDICTION MODELS FOR DIAGNOSIS OF APPENDICITIS IN CHILDREN WITH ABDOMINAL PAIN, Defended, November 29th, 2011

Online access: <http://digitalcommons.uri.edu/theses/107/>

POSTGRADUATE HONORS AND AWARDS

March of Dimes Birth Defects Foundation Summer Research Fellowship for Medical Students, University of Vermont College of Medicine, 1982

The New England Pediatric Society Prize
University of Vermont College of Medicine, 1986

The Paul Calabresi Faculty Research Award
Section of Emergency Medicine, Brown Medical School, 2002

Department of Emergency Medicine
UEMF Outstanding Physician Award, 2011

Brown-UEMF
James Linakis, PhD, MD, Outstanding Pediatric Emergency Medicine Research Mentor Award, 2016

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Medical Licensure: Colorado Medical License #29481
Pennsylvania Medical License #41739-L
Rhode Island Medical License #8232

Certifications: Diplomat, American Board of Pediatrics, October 1989
Recertified through 2013 (Certificate #043577)
Sub-Board, Pediatric Emergency Medicine, 1992
Recertified through 2013 (Certificate #000208)
Advanced Cardiac Life Support Provider, 1987
Pediatric Advanced Life Support Provider, 2009
Pediatric Advanced Life Support Instructor, 1990
APLS: The Pediatric Emergency Medicine Course,
Course Director, 1999
Advanced Trauma Life Support Course, 1988, 1998
Advanced Trauma Life Support Instructor Course, 1992

ACADEMIC APPOINTMENTS

Clinical Instructor in Pediatrics
University of Colorado, 1989-1990

Clinical Instructor in Pediatrics
University of Pennsylvania School of Medicine, 1990-1992

Instructor in Pediatrics, Brown University, 1992-1993

Assistant Professor of Pediatrics
Brown Medical School, 1993 – 2002

Associate Professor of Pediatrics
Brown Medical School, 2002 – 2004

Associate Professor of Emergency Medicine and Pediatrics
The Warren Alpert Medical School of Brown University
2004 – Present

Associate Professor of Health Services, Policy and Practice
Brown University, 2015 – 2017

Professor of Emergency Medicine, Pediatrics and Health Services,
Policy and Practice. Brown University, 7/1/2017 – 7/1/2022

Professor of Emergency Medicine and Pediatrics, Alpert Medical School and Adjunct Professor of Health Services, Policy and Practice, School of Public Health, Brown University, 7/1/2017 – Present.

HOSPITAL APPOINTMENTS

Pediatric Emergency Medicine Attending Physician
Rhode Island Hospital, Providence, RI, 1992-Present.

Fellowship Director, Pediatric Emergency Medicine
Rhode Island Hospital, Providence, RI, 2002 – 2013.

OTHER APPOINTMENTS

Director of Research Design, Analysis and Statistical Education, Section of Pediatric Emergency Medicine. 2016 – Present.

Director of Quality Improvement, Section of Pediatric Emergency Medicine. 2021 – Present.

Research Scientist Brown Center for Evidence Synthesis in Health. Brown Evidence-based Practice Center (EPC), part of the Effective Healthcare (EHC) Program of the Agency for Healthcare Research and Quality (AHRQ). The Brown EPC is one of 9 EPCs currently sponsored by AHRQ. 2012 – Present.

Peer Reviewer *Research Synthesis Methods*, 2015
Pediatric Emergency Care, 1992 – Present.
Academic Emergency Medicine, 1997 – Present.
Pediatrics, 2007 – Present.
Journal of Pediatrics, 2014
Clinical Therapeutics, 2015
Emergency Medicine Journal, 2017
JAMA Pediatrics, 2018
Pediatric Dermatology, 2018
Systematic Reviews, 2019
Oxford University Press, book proposal reviewer, 2019
The New England Journal of Medicine, 2020
BMJ Open, 2020

Statistical Reviewer	Systematic reviews for the Agency for Healthcare Research and Quality (AHRQ) Effective Health Care Program, 2017.
Chief Editor	Pediatric Emergency Medicine (for 5 topics), Medscape Drugs & Diseases, 2017 – Present.
External Grant reviewer:	Alberta Children's Hospital Foundation, 2002 Randomized Controlled Trials Committee of the Canadian Institutes of Health Research, 2002, 2012, 2013 Ontario Thoracic Society, Canadian Lung Association, 2005 CHEO Research Institute, Ottawa, Ontario, 2005 The PSI Foundation, Toronto, Ontario, 2008, 2022
Abstract Reviewer:	Society for Academic Emergency Medicine 2011 Annual Meeting SAEM, 2012 Annual Meeting Society for Medical Decision Making, 16th Biennial European Conference, 2016 and 2018 Pediatric Academic Societies 2012 and 2013 Annual Meetings
Poster Facilitator	Pediatric Academic Societies 2017 Annual Meeting
Moderator:	Lightning Oral session, 17 th Annual Regional Meeting of the Society for Academic Emergency Medicine, Providence, RI, 2013
Listowner and Moderator:	PED-EM-L: An International Forum for Pediatric Emergency Medicine on the Internet (2494 subscribers), 1994 – Present.
Associate Editor (acting)	Agency for Healthcare Research and Quality (AHRQ), Effective Health Care Program. 2015.
Workgroup Member	AHRQ, Effective Health Care Program, FY2016 (Workgroup on updating quantitative synthesis guidance). 2016 – 2017.

HOSPITAL COMMITTEES

Pediatric Emergency Medicine Quality Assurance Committee

Rhode Island Hospital
Chairperson, 1997- 2008.

NACRI, Emergency Medicine Focus Group
Hasbro ED physician representative, 1997-1998.

Department of Emergency Medicine
Residency Advisory Committee
Rhode Island Hospital
2009 – 2013.

Department of Pediatrics
Clinical Competency Committee
Rhode Island Hospital
2012 - 2014.

Pediatric Emergency Medicine
Scholarship Oversight Committee
Rhode Island Hospital
2013 - 2021.

University Emergency Medicine Foundation
Finance Committee
2013 - 2019.

MEMBERSHIPS IN SOCIETIES

American Academy of Pediatrics (AAP)
Fellow, 1994 – present.

AAP, Section of Section on Epidemiology, Public Health, & Evidence (SOEPHE), 2016 – present.

AAP, Section of Emergency Medicine
Web Editor, 1999 – 2004.

AAP, Rhode Island Chapter
Executive Board Member, 2000 – 2004.

AAP, Committee on Pediatric Emergency Medicine
RI Representative, 1999 – 1995.

American Statistical Association
2005 – Present.

Society for Medical Decision Making

2014 – Present.

PUBLICATIONS

1. **Steel DW**, Bovill EG, Golden E, Tindle BH: Hereditary Hemorrhagic Telangiectasia. A Family Study. *American Journal of Clinical Pathology* 90 (3):274-278, 1988.
2. Simon HK, **Steele DW**, Lewander WJ, Linakis JG: Are Pediatric Emergency Medicine Training Programs Meeting Their Goals and Objectives? *Pediatric Emergency Care* 10(4):208-212, 1994.
3. Simon HK, **Steele DW**. Genital Localization of Varicella and Mistaken Suspicion of Child Abuse. *Annals of Emergency Medicine* 25 (1): 111-114, 1995.
4. **Steele DW**, Wright RO, Lee CM, Jay GD. Continuous Non-Invasive Determination of Pulsus Paradoxus: Pilot Study. *Academic Emergency Medicine* 2(10):894-900, 1995.
5. Duffy S, Torraca L, **Steele DW**. Child Abuse Presenting as Scrotal Ecchymosis in an Infant. *Annals of Emergency Medicine* (accepted for publication, not published due to litigation).
6. Wright RO, **Steele DW**, Santucci KA, Jay GD. Continuous, Noninvasive Measurement of Pulsus Paradoxus: Evaluation as an Objective Severity Measure in Acute Asthma. *Archives of Pediatrics and Adolescent Medicine* 150:914-918, 1996.
7. Wright RO, Santucci KA, Jay GD, **Steele DW**. Evaluation of Pre- and Post-Treatment Pulse Oximetry in Acute Childhood Asthma. *Academic Emergency Medicine* 4:114-117, 1997.
8. Savitt DL, **Steele DW**. Implementation of a hypertext based curriculum for emergency medicine on the World Wide Web. *Academic Emergency Medicine* 4:1159-1162, 1997.
9. **Steele DW**, Santucci KA, Wright RO, Natarajan R, McQuillen KK, Jay GD. Pulsus Paradoxus: An Objective Measure of Severity in Croup. *American Journal of Respiratory and Critical Care Medicine*;157:331-334, 1998
10. Jay GD, Onuma K, Davis R, Chen MH, Mansell A, **Steele D**. Analysis of Physician Ability in the Measurement of Pulsus Paradoxus by Sphygmomanometry. *Chest, Aug;118*(2):348-52, 2000.
11. McQuillen KK, **Steele DW**. Capnography During Sedation/Analgesia in the Pediatric Emergency Department. *Pediatric Emergency Care*, Dec;16(6):401-4, 2000.
12. Overly F, **Steele DW**. Common Pediatric Fractures and Dislocations. *Clinical Pediatric Emergency Medicine*, June; 3:106-117, 2002.
13. Fearon DM, **Steele DW**. End-Tidal CO₂ Predicts the Presence and Severity of Acidosis in Children with Diabetes. *Academic Emergency Medicine*, 9(12):1373-8, 2002.
14. Connors JM, Macias CG, and D.W. **Steele DW**, The fellowship of the future. *Pediatr Emerg Care*, 2004. 20(4): p. 244-9.
15. Mansell AL, Walders N, Wamboldt MZ, Carter R, **Steele DW**, Devin JA, Monica TH, Miller AL, Wamboldt FS. Effect of body mass index on response to methacholine bronchial provocation in healthy and asthmatic adolescents. *Pediatr Pulmonol*, 2006 May;41(5):434-40.
16. Nigrovic LE, Kuppermann N, Macias CG, Cannavino CR, Moro-Sutherland DM, Schremmer RD, Schwab SH, Agrawal D, Mansour KM, Bennett JE, Katsogridakis

- YL, Mohseni MM, Bulloch B, **Steele DW**, Kaplan RL, Herman MI, Bandyopadhyay S, Dayan P, Truong UT, Wang VJ, Bonsu BK, Chapman JL, Kanegaye JT, Malley R; Pediatric Emergency Medicine Collaborative Research Committee of the American Academy of Pediatrics. Clinical prediction rule for identifying children with cerebrospinal fluid pleocytosis at very low risk of bacterial meningitis. *JAMA* 297, 52-60, 2007.
17. Constantine E, **Steele DW**, Ebersson C, Boutis K, Amanullah S, Linakis JG. The use of local anesthetic techniques for closed forearm fracture reduction in children: a survey of academic pediatric emergency departments. *Pediatric Emergency Care*, 2007 Apr;23(4):209-11.
 18. Lise E. Nigrovic, Richard Malley, Charles G. Macias, John T. Kanegaye, Donna M. Moro-Sutherland, Robert D. Schremmer, Sandra H. Schwab, Dewesh Agrawal, Karim M. Mansour, Jonathan E. Bennett, Yiannis L. Katsogridakis, Michael M. Mohseni, Blake Bulloch, **Dale W. Steele**, Ron L. Kaplan, Martin I. Herman, Subhankar Bandyopadhyay, Peter Dayan, Uyen T. Truong, Vince J. Wang, Bema K. Bonsu, Jennifer L. Chapman, Nathan Kuppermann or the Pediatric Emergency Medicine Collaborative Research Committee of the American Academy of Pediatrics. Effect of antibiotic pretreatment on cerebrospinal fluid profiles of children with bacterial meningitis, *Pediatrics* 2008; Oct;122: 726 - 730.
 19. Lise E. Nigrovic, Richard Malley, Charles G. Macias, John T. Kanegaye, Donna M. Moro-Sutherland, Robert D. Schremmer, Sandra H. Schwab, Dewesh Agrawal, Karim M. Mansour, Jonathan E. Bennett, Yiannis L. Katsogridakis, Michael M. Mohseni, Blake Bulloch, Dale W. Steele, Ron L. Kaplan, Martin I. Herman, Subhankar Bandyopadhyay, Peter Dayan, Uyen T. Truong, Vince J. Wang, Bema K. Bonsu, Jennifer L. Chapman, Nathan Kuppermann. Bacterial Meningitis in Children in the Pneumococcal Conjugate Vaccine Era. *Academic Emergency Medicine*, 2008 Jun;15(6):522-8.
 20. Tsze, D. S., **Steele, D. W.**, Machan, J. T., Akhlaghi, F., & Linakis, J. G. Intranasal Ketamine for Procedural Sedation in Pediatric Laceration Repair: A Preliminary Report. *Pediatric Emergency care*, 2012, 28(8), 767–770.
 21. Amanullah S, MD, Heneghan JA, **Steele DW**, Mello MJ, Linakis JG. Emergency Department Visits Resulting From Intentional Injury In and Out of School. *Pediatrics*, 2014, 133(2): 254-261.
 22. Zajano EA, Brown LL, **Steele DW**, Baird J, Overly FL, Duffy SJ. Development of a Survey of Teamwork and Task Load Among Medical Providers: A Measure of Provider Perceptions of Teamwork When Caring for Critical Pediatric Patients. *Pediatric Emergency Care*, 2014,30(3): 157-160.
 23. Constantine E, Tsze D, Machan JT, Ebersson C, Linakis JG, **Steele DW**. Evaluating the Hematoma Block as an Adjunct to Procedural Sedation for Closed Reduction of Distal Forearm Fractures. *Pediatric Emergency Care*, 2014 July; 30(7): 474-478.
 24. Dahabreh IJ, **Steele DW**, Shah N, Trikalinos TA. Oral Mechanical Bowel Preparation for Colorectal Surgery. Evidence Report No. 128. (Prepared by the Brown University Evidence-based Practice Center under Contract HHS 290-2012-00012 I.) AHRQ Publication No. 14-EHC018-EF. Rockville, MD: Agency for Healthcare Research and Quality. April 2014.

- <http://effectivehealthcare.ahrq.gov/ehc/products/458/1900/colorectal-surgery-preparation-report-140428.pdf>
25. Canares TL, Chang BL, **Steele DW**. Rash and Fever in a 7-week-old Infant. *Annals of Emergency Medicine*, 2014 64(5): 445,525.
 26. Riese A, Mello MJ, Janette Baird J., **Steele DW**, Ranney ML. Prompting Discussions of Youth Violence Using Electronic Previsit Questionnaires in Primary Care: A Cluster Randomized Trial. *Academic Pediatrics*, 2015, 15 (3): 345–52.
 27. Dahabreh IJ, **Steele DW**, Shah N, Trikalinos TA. Oral mechanical bowel preparation for colorectal surgery: systematic review and meta-analysis. *Diseases of the Colon & Rectum*, 2015; 58(7): 698–707.
 28. Amanullah S, Linakis JG, Clarke-Pearson E, Revotskie AG, **Steele DW**. Differences in Presentation and Management of Pediatric Facial Lacerations by Type of Health Insurance *Western Journal of Emergency Medicine*, 2015 Jul;16(4):527-34. Epub 2015 Jul 2.
 29. Dahabreh IJ, Adam GP, Halladay CW, **Steele DW**, Daiello LA, Wieland S, Zgodic A, Smith BT, Herliczek, TW, Shah N, Thomas A. Trikalinos TA. Diagnosis of Right Lower Quadrant Pain and Suspected Acute Appendicitis. (Prepared by the Brown Evidence-based Practice Center under Contract HHS.A. 290-2012-00012-I) AHRQ Publication No. 15(16)-EHC025-EF December 2015.
 30. Balk EM, Adam GP, Langberg V, Halladay C, Chung M, Lin L, Robertson S, Yip A, **Steele D**, Smith BT, Lau J, Lichtenstein AH, Trikalinos TA. Omega-3 Fatty Acids and Cardiovascular Disease: An Updated Systematic Review. Evidence Report/Technology Assessment No. 223. (Prepared by the Brown Evidence-based Practice Center under Contract No. 290-2015-00002-I.) AHRQ Publication No. 16-E002-EF. Rockville, MD: Agency for Healthcare Research and Quality; August 2016. <https://www.ncbi.nlm.nih.gov/books/NBK384547/>
 31. Leviter J, **Steele DW**, Zonfrillo MR. Comparing Dopamine and Epinephrine in Pediatric Fluid Refractory Hypotensive Septic Shock. *Pediatr Crit Care Med*, 2017 Apr;18(4):400. PMID: 28376015
 32. **Steele D**, Adam GP, Di M, Halladay C, Pan I, Coppersmith N, Balk EM, Trikalinos TA. Tympanostomy Tubes in Children With Otitis Media. Comparative Effectiveness Review No. 185. (Prepared by the Brown Evidence-based Practice Center under Contract No. 290-2015-00002-I.) AHRQ Publication No. 17-EHC003-EF. Rockville, MD: Agency for Healthcare Research and Quality; May 2017. <https://www.ncbi.nlm.nih.gov/books/NBK447521/>
 33. **Steele DW**, Adam GP, Di M, Halladay CW, Balk EM, Trikalinos TA. Prevention and Treatment of Tympanostomy Tube Otorrhea: A Meta-analysis. **Steele DW**, Adam GP, Di M, et al. Prevention and Treatment of Tympanostomy Tube Otorrhea: A Meta-analysis. *Pediatrics*. 2017;139(6):e20170667. Available from: <http://pediatrics.aappublications.org/content/early/2017/05/03/peds.2017-0667>
 34. **Steele DW**, Adam GP, Di M, Halladay CH, Balk EM, Trikalinos TA. Effectiveness of Tympanostomy Tubes for Otitis Media: A Meta-analysis. *Pediatrics*; 2017;139(6):e20170125. Available from: <http://pediatrics.aappublications.org/content/early/2017/05/12/peds.2017-0125>
 35. Schuh S, Babl FE, Dalziel SR, Freedman SB, Macias CG, Stephens D, **Steele DW**, Fernandes RM, Zemek R, Plint AC, Florin TA, Lyttle MD, Johnson DW, Gouin S,

- Schnadower D, Klassen TP, Bajaj L, Benito J, Kharbanda A, Kuppermann N, The Pediatric Emergency Research. Practice Variation in Acute Bronchiolitis: A Pediatric Emergency Research Networks Study. *Pediatrics American Academy of Pediatrics*; 2017 Nov 28; e20170842.
36. Morton SC, Murad MH, O'Connor E, Lee CS, Booth M, Vandermeer BW, Snowden JM, D'Anci KE, Fu R, Gartlehner G, Wang Z, **Steele DW**. Quantitative Synthesis—An Update. *Methods Guide for Comparative Effectiveness Reviews*. (Prepared by the Scientific Resource Center under Contract No. 290-2012-0004-C). AHRQ Publication No. 18-EHC007-EF. Rockville, MD: Agency for Healthcare Research and Quality; February 2018. <https://doi.org/10.23970/AHRQEPCMETHTGUIDE3>
 37. Dessie A, **Steele DW**, Liu A, Amanullah S, Constantine E. Point-of-Care-Ultrasound Assessment of Bladder Fullness for Girls Awaiting Radiology Performed Transabdominal Pelvic Ultrasound: A Randomized Controlled Trial. *Annals of Emergency Medicine*. 2018 72(5): 571 – 580. doi:10.1016/j.annemergmed.2018.04.010
 38. Fehnel CR, Trepman A, **Steele D**, Khan MA, Silver B, Mitchell SL. Survival after in-hospital cardiac arrest among cerebrovascular disease patients. *J Clin Neuroscience*. 2018 May 19. pii: S0967-5868(18)30107-3. doi:10.1016/j.jocn.2018.04.033.
 39. Freire G, Kuppermann N, Zemek R, Plint A, Babl F, Dalziel S, Freedman S, Atenafu E, Stephens D, **Steele DW**, Fernandes R, Florin T, Kharbanda A, Lyttle M, Johnson D, Schnadower D, Macias C, Benito J, Schuh S. Predicting Escalated Care in Infants with Bronchiolitis. *Pediatrics* Aug 2018, e20174253; DOI: 10.1542/peds.2017-4253
 40. Amanullah S, Schlichting LE, Linakis SW, **Steele DW**, Linakis JG. Emergency Department Visits Owing to Intentional and Unintentional Traumatic Brain Injury among Infants in the United States: A Population-Based Assessment. *J Pediatr* 2018. doi: 10.1016/j.jpeds.2018.08.023
 41. Leviter J, **Steele DW**, Contantine E, Linakis JG, Amanullah S. “Full Stomach” Despite the Wait: Point-of-Care Gastric Ultrasound at the Time of Procedural Sedation in the Pediatric Emergency Department. Accepted 18 October, *Academic Emergency Medicine*, 2019. July 26(7) 752-760. doi: 10.1111/acem.13651
 42. Bertsimas D, Dunn J, **Steele DW**, Trikalinos TA, Wang Y. Building on Success: Improving the PECARN Head Trauma Decision Rules Using Optimal Classification Trees. *JAMA Pediatrics*, 15 May 2019. doi:10.1001/jamapediatrics.2019.1068
 43. Jamal A, Finkelstein Y, Kuppermann N, Freedman SB, Florin TA, Babl FE, Dalziel SR, Zemek R, Plint AC, **Steele DW**, et al. Pharmacotherapy in bronchiolitis at discharge from emergency departments within the Pediatric Emergency Research Networks: a retrospective analysis. *The Lancet Child & Adolescent Health*, 2019. Aug 3(8):539-547. doi: 10.1016/S2352-4642(19)30193-2
 44. J. Kapur, J. Elm, J. M. Chamberlain, W. Barsan, J. Cloyd, D. Lowenstein, S. Shinnar, R. Conwit, C. Meinzer, H. Cock, N. Fountain, J. T. Connor, R. Silbergleit, NETT and PECARN Investigators*, Randomized Trial of Three Anticonvulsant Medications for Status Epilepticus. *N. Engl. J. Med.* **381**, 2103–2113 (2019).
[*Hasbro Children’s Hospital, PECARN Trial Principle Investigators: **Dale Steele**, Lisa Merck]
 45. Chamberlain JM, Kapur J, Shinnar S, et al. Efficacy of levetiracetam, fosphenytoin, and valproate for established status epilepticus by age group (ESETT): a double-

- blind, responsive-adaptive, randomised controlled trial. *Lancet*. March 2020. doi:10.1016/S0140-6736(20)30611-5[*Hasbro Children’s Hospital, PECARN Trial Principle Investigators: **Dale Steele**, Lisa Merck]
46. **Steele DW**, Becker SJ, Danko KJ, Balk EM, Saldanha IJ, Adam GP, Bagley SM, Friedman C, Spirito A, Scott K, Ntzani EE, Saeed I, Smith B, Popp J, Trikalinos TA. Interventions for Substance Use Disorders in Adolescents: A Systematic Review. In: Interventions for Substance Use Disorders in Adolescents: A Systematic Review. Agency for Healthcare Research and Quality (US), Rockville (MD); 2020. Available from <https://www.ncbi.nlm.nih.gov/books/NBK557291> PMID: 32479039.
 47. Zipursky, A., Kuppermann, N., Finkelstein, Y., Zemek, R., Plint, A. C., Babl, F. E., Dalziel, S. R., Freedman, S. B., **Steele, D. W.**, Fernandes, R. M., Florin, T. A., Stephens, D., Kharbanda, A., Roland, D., Lyttle, M. D., Johnson, D. W., Schnadower, D., Macias, C. G., Benito, J., Schuh, S., PEDIATRIC EMERGENCY RESEARCH NETWORKS (PERN) (2020). International Practice Patterns of Antibiotic Therapy and Laboratory Testing in Bronchiolitis. *Pediatrics*, e20193684. Advance online publication. <https://doi.org/10.1542/peds.2019-3684>
 48. **Steele DW**, Becker SJ, Danko KJ, et al. Brief Behavioral Interventions for Substance Use in Adolescents: A Meta-analysis. *Pediatrics*. 2020; 146(4). Available from: <http://dx.doi.org/10.1542/peds.2020-0351>
 49. Murad MH, Fiordalisi C, Pillay J, Will TJ, O’Connor E, Kahwait L, Hernandez AV, Rutter CM, Chou R, Balk EM, **Steele DW**, Saldanha IJ, Panagiotou OA, Chang S, Gerrity M. Making Narrative Statements to Describe Treatment Effects. *J Gen Intern Med*. Published online October 27, 2020. doi:10.1007/s11606-020-06330-y.
 50. Gerrity M, Fiordalisi C, Pillay J, Wilt TJ, O’Connor E, Kahwati L, Hernandez AV, Rutter CM, Chou R, Balk EM, **Steele DW**, Saldanha IJ, Panagiotou OA, Chang S, Murad MH. Roadmap for Narratively Describing Effects of Interventions in Systematic Reviews. Methods White Paper. (Prepared by the Scientific Resource Center under Contract No. 290-2017-00003C.) AHRQ Publication No. 20(21)-EHC018. Rockville, MD: Agency for Healthcare Research and Quality. November 2020. DOI: [10.23970/AHRQEPWHITEPAPER/NARRATIVELY](https://doi.org/10.23970/AHRQEPWHITEPAPER/NARRATIVELY).
 51. Becker SJ, Scott K, Helseth SA, Danko KJ, Balk EM, Saldanha IJ, Adam GP, **Steele DW**. Effectiveness of medication for opioid use disorders in transition-age youth: A systematic review. *J Subst Abuse Treat*. 2021; Available from: <https://doi.org/10.1016/j.jsat.2021.108494>
 52. Scott K, Becker SJ, Helseth SA, Saldanha IJ, Balk EM, Adam GP, Danko KJ, **Steele DW**. Pharmacotherapy Interventions for Adolescent Co-Occurring Substance Use and Mental Health Disorders: A Systematic Review, *Family Practice*. Published online August 27, 2021. doi:[10.1093/fampra/cmab096](https://doi.org/10.1093/fampra/cmab096)
 53. Lirette MP, Kuppermann N, Finkelstein Y, Zemek R, Plint AC, Florin TA, Babl FE, Dalziel S, Freedman S, Roland D, Lyttle MD, Schnadower D, **Steele D**, Fernandes

- RM, Stephens D, Kharbanda A, Johnson DW, Macias C, Benito J, Schuh S, for the Pediatric Emergency Research Networks (PERN). International variation in evidence-based emergency department management of bronchiolitis: a retrospective cohort study. *BMJ Open*. 2022;12(12):e059784. doi:[10.1136/bmjopen-2021-059784](https://doi.org/10.1136/bmjopen-2021-059784).
54. **Steele DW**, Adam GP, Saldanha IJ, Kanaan G, Zahradnik ML, Danilack VA, Stuebe AM, Peahl AF, Chen KK, Balk EM. Management of Postpartum Hypertensive Disorders of Pregnancy. Comparative Effectiveness Review No. 263. (Prepared by the Brown Evidence-based Practice Center under Contract No. 75Q80120D00001.) AHRQ Publication No. 23-EHC012. PCORI Publication No. 2023-SR-02. Rockville, MD: Agency for Healthcare Research and Quality; May 2023. DOI: <https://doi.org/10.23970/AHRQEPCER263>.
55. **Steele DW**, Adam GP, Saldanha IJ, Kanaan G, Zahradnik ML, Danilack-Fekete VA, Stuebe AM, Peahl AF, Chen KK, Balk EM. Postpartum Home Blood Pressure Monitoring: A Systematic Review. *Obstet Gynecol*. 2023 Aug 1 [cited 2023 Jun 13];142(2):285–295. DOI: 10.1097/AOG.0000000000005270 PMID: 37311173
56. Saldanha IJ, Adam GP, Kanaan G, Zahradnik ML, **Steele DW**, Danilack VA, Peahl AF, Chen KK, Stuebe AM, Balk EM. Postpartum Care up to 1 Year After Pregnancy: A Systematic Review and Meta-Analysis. Comparative Effectiveness Review No. 261. (Prepared by the Brown Evidence-based Practice Center under Contract No. 75Q80120D00001.) AHRQ Publication No. 23-EHC010. PCORI Publication No. 2023-SR-01. Rockville, MD: Agency for Healthcare Research and Quality; June 2023. DOI: <https://doi.org/10.23970/AHRQEPCER261>.
57. Saldanha IJ, Adam GP, Kanaan G, Zahradnik MI, **Steele DW**, Chen KK, Peahl AF, Danilack-Fekete VA, Stuebe AM, Balk EM. Health insurance coverage and postpartum outcomes in the US: A systematic review. *JAMA Network Open*. 2023;6(6):e2316536. doi:10.1001/jamanetworkopen.2023.16536

OTHER PUBLICATIONS

1. Carlson N, **Steele DW**: Pediatric Procedures. *Handbook of Pediatrics*, 16th ed., Appleton & Lange, 1991.
2. **Steele D**, Berman S: Human Immunodeficiency Virus Infection. *Pediatric Decision Making*, 2nd ed., B.C. Decker, 1991.
3. **Steele D**, Ludwig, S: Book review (Emergency Medicine: An Approach to Clinical Problem Solving) *Pediatr Emerg Care* 7(5):324, 1991.
4. **Steele D**: Foreign Body Removal from the External Auditory Canal. Textbook of Pediatric Emergency Procedures, Williams and Wilkins, 1997.
5. Duffy S, **Steele D**: Heel Sticks, Textbook of Pediatric Emergency Procedures, Williams and Wilkins, 1997.
6. **Steele DW**. Emergency Medical Services for Children: A Rhode Island Perspective. *Infants & Children* 4(2):6-7, Winter 1997.

7. Marby D, **Steele DW**. "Croup" The 5 Minute Emergency Medicine Consult, Williams and Wilkins, 1999.
8. Stankovich M, **Steele DW**. "Pyloric Stenosis". The 5 Minute Emergency Medicine Consult, Williams and Wilkins, 1998
9. **Steele D**, Callahan J, Terndrup T. "Websites about pediatric resuscitation abound" Currents in Emergency Cardiac Care. 9(2):5-6: Summer 1998.
10. **Steele DW**. Invited comment. "Which glucocorticoid is most effective in croup". Pediatric Emergency and Critical Care 11(6):22, June 1998.
11. **Steele DW**. "Pediatrics: Respiratory Distress Syndrome". emedicine: Emergency Medicine - An Online Medical Reference. ed. J Adler, SH Plantz. Boston Medical Publishing Group, 1998. <http://www.emedicine.com>
12. **Steele DW**. "Neurosurgical Emergencies". Textbook of Pediatric Emergency Medicine, Lippincott Williams and Wilkins, 4th ed, 1999.
13. **Steele DW**. "Neurosurgical Emergencies". Synopsis of Pediatric Emergency Medicine, Lippicott Williams and Wilkins, 2nd ed., 2002.
14. **Steele DW**. Book review (Pediatric Primary Care) in Ambulatory Pediatric Association Newsletter. 40(3): 21-22, Spring 2002.
15. **Steele DW**. "Croup" The 5 Minute Emergency Medicine Consult, Lippincott Williams and Wilkins, 2nd ed., 2003.
16. **Steele DW**. "Neurosurgical Emergencies". Textbook of Pediatric Emergency Medicine. Lippincott Williams and Wilkins, 5th ed., 2005.
17. **Steele DW**. "Croup". The 5-Minute Emergency Medicine Consult, Lippincott Williams and Wilkins, 3rd ed., 2007.
18. **Steele DW**: Foreign Body Removal from the External Auditory Canal. Textbook of Pediatric Emergency Procedures, 2nd ed., Williams and Wilkins, 2008.
19. Duffy S, **Steele DW**: Heel Sticks, Textbook of Pediatric Emergency Procedures, Williams and Wilkins, 2nd ed., 2008.
20. **Steele DW**. "Croup" The 5 Minute Emergency Medicine Consult, Lippincott Williams and Wilkins, 4th ed., 2010.
21. Daniel S. Tsze and **Steele DW**. "Neurosurgical Emergencies". Textbook of Pediatric Emergency Medicine. Lippincott Williams and Wilkins, 6th ed, 2010.
22. **Steele DW**. "Croup" Rosen & Barkin's 5-minute Emergency Medicine Consult, Wolters Kluwer, 5th ed., 2015.
23. Canares T and **Steele, DW**. "Oral Lesions" Harwood-Nuss' Clinical Practice of Emergency Medicine, 6th edition, edited by Allan B. Wolfson, Gregory W. Hendey, Louis J. Ling, Carlo L. Rosen, Jeffrey J. Schaider, and Robert L. Cloutier, 6th.ed., 2015.
20. **Steele DW**. "Croup" The 5 Minute Emergency Medicine Consult, Wolters Kluwer, 6th ed., 2020

PUBLICATIONS SUBMITTED OR IN PREPARATION

1. Stratification of Risk for Emergent Intracranial Abnormalities in Children with Headaches: A Pediatric Emergency Care Applied Research Network (PECARN) Study

Protocol (accepted for publication 10/16/2023, *BMJ Open*)

2. The Comparative Effectiveness and Harms of Alternative Magnesium Sulfate Regimens to Treat Preeclampsia with Severe Features: A Systematic Review and Meta-analysis (in preparation for submission to *Obstetrics & Gynecology*)
3. Pharmacological treatments for Hypertensive Disorders of Pregnancy in Postpartum Individuals: A Systematic Review (in preparation for submission to *Obstetrics & Gynecology*)

ABSTRACTS

1. **Steele D**, Baker MD: An emergency department trial of continuously vs. intermittently nebulized albuterol. *AJDC* 146(4):487, 1992 (Presented before the Ambulatory Pediatrics Association, Baltimore, MD, May, 1992)
2. **Steele D**, Baker MD: A pediatric emergency department trial of continuously vs intermittently nebulized albuterol. *Ann Emergency Med* 21(5):596, 1992 (Presented before Society for Academic Emergency Medicine, Toronto, Ontario, Canada, May, 1992)
3. Duffy SJ, **Steele DW**: Influenza Vaccine in Asthmatics Presenting to a Pediatric Emergency Department. *Arch Pediatr Adol Med* (Poster presentation to Ambulatory Pediatric Association, Seattle, WA, May 1994)
4. Duffy SJ, **Steele DW**: Influenza Vaccine in Asthmatics Presenting to a Pediatric Emergency Department. *Academic Emergency Medicine* 1(2): A37, 1994 (Poster presentation to Society for Academic Emergency Medicine, Washington, D.C., May 1994)
5. Wright RO, Santucci KA, Jay GD, **Steele DW**. A Novel Measurement Technique for Pulsus Paradoxus: Utility in Acute Asthma. *Arch Pediatr Adolesc Med* 149: A67, 1995. (Platform presentation to Ambulatory Pediatric Association, San Diego, CA, May 1995)
6. **Steele DW**, Wright RO, Santucci KA, Jay GD. Use of Pulse Oximetry to Detect Pulsus Paradoxus in Childhood Asthma. *Arch Pediatr Adolesc Med* 149: (abstract 49),1995. (Poster presentation to Ambulatory Pediatric Association, San Diego, CA, May 1995)
7. Wright RO, Santucci KA, Jay GD, **Steele DW**. A Novel Measurement Technique for Pulsus Paradoxus: Utility in Acute Childhood Asthma *Academic Emergency Medicine* 1995 2(5): 430. (Poster presentation to Society for Academic Emergency Medicine, San Antonio, Texas, May 1995)
8. **D.W. Steele**, K.A. Santucci, R.O. Wright, and K.K. McQuillen. Pulsus Paradoxus: An Objective measure of severity in croup. (Platform presentation to Ambulatory Pediatric Association, Washington, DC, May 8, 1996)
9. **D.W. Steele**, K.A. Santucci, R.O. Wright, and K.K. McQuillen, Jay GD. Pulsus Paradoxus: An Objective measure of severity in croup. (Poster presentation to Society for Academic Emergency Medicine, Denver, CO, May 5, 1996)
10. R.O. Wright, K.A. Santucci, G.D. Jay, and **D.W. Steele**. Pre- and post-treatment oxygen saturation in acute asthma. (Poster presentation to Ambulatory Pediatric Association, Washington, DC, May 7, 1996 and Society for Academic Emergency Medicine, Denver, CO, May 5, 1996)
11. Savitt DL., **Steele, DW**. Implementation of a hypertext curriculum for Emergency Medicine on the World Wide Web. (Poster presentation to the Society for Academic Emergency Medicine, Denver, CO, May 8, 1996)

12. K.K. McQuillen and **D.W. Steele**. Capnography During Sedation in the Pediatric Emergency Department. (Platform Presentation to Society for Pediatric Research, Washington, DC, May 5th, 1997) *Pediatric Research*; 1997;41(4):62A (abstract 357).
13. K.K. McQuillen and **D.W. Steele**. Capnography During Sedation in the Pediatric Emergency Department (Poster presentation to the Society for Academic Emergency Medicine, Washington, DC, May 19, 1997. *Academic Emergency Medicine* 1997;4 (5):365 (abstract 71) .
14. **D.W. Steele**. PED-EM-L: An Internet Discussion List for Pediatric Emergency Medicine. (Medical Informatics Joint PAS Platform Session, New Orleans LA, May 5, 1998).
15. Wright RO, Santucci KA, Lewander WJ, Jay GD, **Steele DW**. Association of Physical Exam Signs with Pulsus Paradoxus in Children with Acute Asthma. (Poster presentation to Ambulatory Pediatric Association, Boston, MA, May 13, 2000)
16. **D.W. Steele** and R.O. Wright. Construct Validity of Individual Clinical Signs and Three Asthma Scores to Predict FEV1 in Pediatric Asthma. Presented as part of the APA Presidential Plenary session, Boston, MA, May 15, 2000.
17. D.M. Fearon, **DW Steele**. End-Tidal CO₂ Predicts the Presence and Severity of Diabetic Ketoacidosis. Poster presentation, Pediatric Academic Societies Meeting, Baltimore, MD, April 29, 2001.
18. **D.W. Steele**, D.M. Fearon. How well does the Clinical Impression of Hyperpnea Predict Hypocapnea in Children Presenting to the Emergency Department with Suspected Diabetic Ketoacidosis? Poster presentation, Pediatric Academic Societies Meeting, Baltimore, MD, May 4, 2002.
19. **D. Steele**, S. Adams, R. Carter, S. Mathis, E. Millikan, M. Wamboldt, G. Fritz, A. Mansell. Magnitude Estimation of Inspiratory Resistive Loads in Healthy Adolescents: Normative Data. Poster presentation, ISARP, Washington, DC, October 2, 2002.
20. D. L. Batista, A. Mansell, **D. Steele**, M. Vanvleet, A. J. Alario. Is Montelukast Effective in the Treatment of Young Children Wheezing with a Viral Illness? Platform presentation, Pediatric Academic Societies Meeting, Seattle, WA, May 4, 2003.
21. J. Rayner, G. Jay, **DW. Steele**, S. Ziad, A. Shaikhouni, G. Jay. Continuous and Non-invasive Pulsus Paradoxus Monitoring, (Poster presentation to the Society for Academic Emergency Medicine, Boston, MA, June 1, 2003). *Academic Emergency Medicine* 2003;10(5):566-567 (abstract 423).
22. **DW Steele**, TH Monica, SK Adams, GK Fritz, JH Nassau, AL Mansell. Magnitude Scaling and Detection Thresholds for Inspiratory Resistive Loads in Adolescents with Asthma, Platform presentation at The American Thoracic Society Annual Meeting, Mini Symposium C86 Determinants of Asthma in Childhood and Adolescence, Orlando, FL, May 25, 2004.
23. Christian W. Rocholl, Frank L. Overly, James G. Linakis, **Dale W. Steele**. A Prospective Observational Study of the Utility of Anorexia, Ketosis and Other Clinical Variables To Predict Appendicitis. Poster presentation, Pediatric Academic Societies Meeting, Washington, DC, May 17, 2005. (PAS 2005: 57: 2911.)
24. A.L. Mansell, N. Walders, **D.W. Steele**, R. Carter, J. Devin, T. Monica, A.L. Miller, and F. Walmboldt. Responses to Methacholine Bronchial Provocation in Overweight Adolescents. Poster presentation, The American Thoracic Society Annual Meeting, San Diego, CA, May 22, 2005.

25. L. Nigrovic, N. Kuppermann, C. Macias, J. Kanegaye, D. Moro-Sutherland, R. Schremmer, S. Schwab, D. Agrawal, K. Mansour, J. Bennett, Y. Katsogridakis, M. Mohseni, B. Bulloch, **D. Steele**, R. Kaplan, M. Herman, S. Bandyopadyay, P. Dayan, U. Troung, V. Wang, B. Bonsu, J. Chapman, R. Malley. Bacterial Meningitis in the Pneumococcal Conjugate Vaccine Era. Poster Session, Pediatric Academic Societies Meeting, San Francisco, CA, April 30, 2006.
26. D. M. Fearon, M. Mehta, **D. Steele**, Informed Consent for Lumbar Punctures - Should Level of Training Be Disclosed? Platform Session: Clinical Bioethics, Pediatric Academic Societies Meeting, San Francisco, CA, May 2, 2006.
27. L. Nigrovic, N. Kuppermann, C. Macias, C. Cannavino, D. Moro-Sutherland, R. Schremmer, S. Schwab, D. Agrawal, K. Mansour, J. Bennett, Y. Katsogridakis, M. Mohseni, B. Bulloch, **D. Steele**, R. Kaplan, M. Herman, S. Bandyopadyay, P. Dayan, U. Troung, V. Wang, B. Bonsu, J. Chapman, R. Malley. Multi-Center Validation and Refinement of a Clinical Decision Rule for Identifying Children with CSF Pleocytosis at Low Risk of Bacterial Meningitis, Platform Session , Pediatric Academic Societies Meeting, San Francisco, CA, May 2, 2006.
28. L. Nigrovic, N. Kuppermann, C. Macias, J. Kanegaye, D. Moro-Sutherland, R. Schremmer, S. Schwab, D. Agrawal, K. Mansour, J. Bennett, Y. Katsogridakis, M. Mohseni, B. Bulloch, **D. Steele**, R. Kaplan, M. Herman, S. Bandyopadyay, P. Dayan, U. Troung, V. Wang, B. Bonsu, J. Chapman, and R. Malley. Effect of antibiotic pretreatment on cerebrospinal fluid profiles of children with proven bacterial meningitis. Platform presentation, Pediatric Academic Societies Meeting, Toronto, CA, May 7, 2007.
29. Amanullah S, Linakis JG, Vivier P, **Steele DW**. Differences in Presentation and Management of Pediatric Facial Lacerations by Type of Health Insurance (Abstract #: 751119), Pediatric Academic Societies Meeting, Honolulu, Hawaii, May, 2008.
30. Nigrovic LE, R Malley R, Macias CG, Kanegayen JT, Moro-Sutherland DM, Bonsu BK, Agrwal D, Katsogridakis YL, Mansour KM, **Steele DW**, Schwab SH, Kuppermann N, Schremmer RD, Bennett JE, Mohseni MM, Kaplan R, HermanMI, Bandyopadhyay S, Dayan P, Wang VJ. Pediatric Emergency Medicine Collaborative Research Committee, American Academy of Pediatrics. Enteroviral PCR testing for children with pretreated culture-negative meningitis. Platform presentation [5725.6], Pediatric Academic Societies Meeting, Baltimore, MD, May 2009.
31. Erika Constantine MD, Daniel Tsze MD, **Dale Steele MD**, Craig Ebersson MD, Jason Machan PhD, James Linakis MD, PhD. Hematoma Blocks in Forearm Fractures: An Effective Adjunct to Procedural Sedation? Poster [2814.123], Pediatric Academic Societies Meeting, Baltimore, MD, May, 2009.
32. Daniel S Tsze, MD, **Dale W Steele, MD**, Fatemeh Akhlaghi, PharmD, PhD, Jason T Machan, PhD and James G Linakis, PhD, MD. Intranasal Ketamine for Procedural Sedation in Pediatric Laceration Repair: Preliminary Findings, Poster [4331.117], Pediatric Academic Societies Meeting, Baltimore, MD., May 2009.
33. Amanullah S, J G Linakis, C Merritt, M Lieberman, **D W Steele**: Patients Referred to the Emergency Department from Outpatient Settings: A National Perspective, Poster [753245] Pediatric Academic Societies Meeting, Denver, CO, April 2011.
34. Zajano E, Brown L, **Steele D**, Baird J, Overly F, Duffy S: Measuring Provider Perceptions of Teamwork and Stress During Pediatric Emergency Department (PED) Resuscitations,

- Poster, Pediatric Academic Societies Meeting, Denver, CO, May 2011 and Lightning Oral Presentation, SAEM National Meeting, Boston, MA, June 2011.
35. Brown LL, Zajano E, Overly FL, Duffy S, **Steele D**. STTaMP (Survey of Teamwork and Task Load among Medical Providers) Identifies Improvements in Provider Perceptions of Pediatric Resuscitations after a Teamwork Training Intervention. Poster Presentation (1521.229). Pediatric Academic Societies Meeting, Washington, DC, May, 2013.
 36. Wing R, **Steele D**, Duffy S, Chapman L. Triage Administration of Ondansetron for Pediatric Vomiting Is Associated with Improved Outcomes. Platform Presentation. American Academy of Pediatrics National Conference and Exhibition. Washington, DC, October, 2016.
 37. Duffy S, Goldberg AP, Barron C, **Steele DW**. Evaluating a Screening Instrument for Identifying Historical Elements Differentiating Accidental and Non-Accidental Injury in Pediatric Emergency Patients. Poster Presentation (12664). The Children's Bureau (CB)'s 20th National Conference on Child Abuse and Neglect (NCCAN). Washington, DC, September, 2016.
 38. Duffy S, Goldberg AP, Barron C, **Steele DW**. Evaluating an Electronic Screening Instrument (ESI) To Identify the Relationship between Non-Accidental Injury (NAI) and Child Protection Team (CPT) Evaluation in a Pediatric Emergency Department (PED). Poster presentation, Pediatric Academic Societies Meeting, San Francisco, CA, May 2017.
 39. Dessie A, **Steele D**, Liu A, Amanullah S, Constantine E. Point-of-care-ultrasound Assessment of Bladder Fullness Decreases Time to Successful Transabdominal Pelvic Ultrasound. Poster presentation, Pediatric Academic Societies Meeting, San Francisco, CA, May 2017.
 40. Amanullah S, **Steele DW**, Linakis JG. Traumatic Brain Injury in infants in the United States: 2003-2012. Poster presentation, Pediatric Academic Societies Meeting, San Francisco, CA, May 2017.
 41. Schuh S, Babl FE, Dalziel SR, Freedman SB, Macias CG, Stephens D, **Steele DW**, Fernandes RM, Zemek R, Plint AC, Florin T, Lyttle MD, Johnson DW, Shenoy A, Gouin S, Schnadower D, Klassen TP, Bajaj L, Benito J, Kharbanda A, Kuppermann N, for the Pediatric Emergency Research Networks (PERN). Practice Variation in Acute Bronchiolitis: A Pediatric Emergency Research Networks Study. Poster presentation, Pediatric Academic Societies Meeting, San Francisco, CA, May 2017.
 42. Freire G, Freedman SB, Babl FE, Dalziel SR, Macias CG, Principi T, Stephens D, Kuppermann N, Johnson DW, Florin T, Plint AC, Zemek R, **Steele D**, Fernandez RM, Lyttle MD, Klassen TP, Schnadower D, Kharbanda A, Bajaj L, Schuh S - for the PERN Network collaborative group. Predictors of Escalated Care in Bronchiolitis-A Pediatric Emergency Research Network Study. Platform presentation. Pediatric Academic Societies Meeting, San Francisco, CA, May 2017.
 43. **Steele DW**, Iskandar R. Nonoperative Treatment of Pediatric Appendicitis: A Cost Effectiveness Analysis. Poster presentation. Society for Medical Decision Making North American Meeting, Pittsburgh, PA, October 2017.
 44. Leviter J, **Steele DW**, Contantine E, Linakis JG, Amanullah S. "Full Stomach" Despite the Wait: Point-of-Care Gastric Ultrasound at the Time of Procedural Sedation in the Pediatric Emergency Department. Poster presentation. Pediatric Academic Societies (PAS) 2018 Meeting, Toronto, CA, May, 2018.

45. Leviter J, **Steele DW**, Contantine E, Linakis JG, Amanullah S. “Full Stomach” Despite the Wait: Point-of-Care Gastric Ultrasound at the Time of Procedural Sedation in the Pediatric Emergency Department. Oral presentation at the 2018 Society for Pediatric Sedation Conference, Atalanta, GA, May 2018.
46. Pennarola B, Demartino P, **Steele DW**, Duffy SJ. Painful Transitions – a Comparison of Acute Pain Management in Children, Adolescents and Young Adults with Sickle Cell Disease in Adjacent Pediatric and Adult Emergency Departments. Poster presentation. American Society of Hematology 60th Annual Meeting and Exposition, San Diego, CA, December 2018.
47. Jamal A, Finkelstein Y, Kuppermann N, Freedman SB, Florin TA, Babl FE, Dalziel SR, Zemek R, Plint AC, **Steele DW**, et al. Emergency Department Bronchiolitis Discharge Pharmacotherapy: A Pediatric Emergency Research Network (PERN) Study. Platform presentation. Pediatric Academic Societies (PAS) 2019 Meeting, Baltimore, Maryland, May 27, 2019.
48. Martindale J, Meyer J, Lipner K, Amanullah S, **Steele D**, Constantine E. “Old Dogs New Sticks: A Novel approach to Teaching Provider Ultrasound-Guided Intravenous Line Placements in the Pediatric Emergency Department. Pediatric Academic Societies (PAS) 2023 Meeting, Washington, DC, April 30, 2023.

INVITED PRESENTATIONS

Regional

1. "Pediatric Asthma Management", Miriam Hospital, Providence, R.I. January 13, 1993
2. “A series of Patient Encounters in the ED”, Pediatric Grand Rounds, Rhode Island Hospital, August 6, 1993.
3. "Pediatric Pain Management and Sedation", Miriam Hospital, Providence, R.I. November 16, 1993
4. “Pediatric Pain Management and Sedation”, RI ACEP Pediatric Emergency Medicine Course, Newport, RI, August 16, 1994.
5. “Developments in Emergency Medical Services for Children: A RI Perspective”, Newport, RI, August 23, 1996.
6. “Internet and the Emergency Medicine Physician: An Introduction to mailing lists”, First Annual New England Regional Society for Academic Emergency Medicine Conference, Providence, RI. April 11, 1997.
7. “Case Studies in Pediatric Emergency Medicine”, Contemporary Issues in Emergency Medicine Conference. Sponsored by RI Chapter American College of Emergency Physicians. Newport, RI. August 7, 1997.
8. “Pediatric Conscious Sedation: An Oxymoron?” RI ACEP Emergency Medicine Course. Sponsored by RI Chapter ACEP. Newport, RI. August 19, 1998.
9. Course Director. Pediatric Updates. Ocean View Update: Emergency Medicine, RI Chapter ACEP, Newport, RI, August 11, 2000.
10. "Update on Fever Workup", Pediatric S.I.M.S. for Emergency Physicians, Providence, RI, May 14, 2009.
11. "Evaluation of the Febrile Infant", Grand Rounds, St. Anne’s Hospital, Fall River MA, August 6, 2009.

12. “A Grumpy Clinician Confronts the 2x2 Table”, Yale Pediatric Emergency Medicine, New Haven, CT, January 28, 2016.

National

1. Emergency Scenarios, Pediatric Emergency Issues for the Pre-hospital Care Provider, Atlantic City, NJ. January, 1991
2. "The Limping Child", An Intensive Course in Pediatric Emergency Medicine The Children's Hospital of Philadelphia, Philadelphia, PA, November, 1992
3. Course Instructor. Emergency Care of the Very Ill Child. Breckenridge, CO., February, 1992
4. "Office Emergencies", The Pediatrician as Consultant, Atlantic City, NJ., May 1992
5. Course Instructor. Emergency Care of the Very Ill Child. Orlando, Florida, April, 1993. (The Limping Child, Approach to the Comatose Child, Pediatric Sedation and Analgesia)
6. Course Instructor. An Intensive Course in Pediatric Emergency Medicine, The Children's Hospital of Philadelphia, Philadelphia, PA, November, 1996
7. “Case Studies in Pediatric Emergency Medicine”, Contemporary Issues in Emergency
8. “Children with Special Health Care Needs: Model Communication and Notification Initiatives”. National Congress of Childhood Emergencies, Washington, DC, March 23, 1998.
9. “Pediatric Conscious Sedation: An Oxymoron?” RI ACEP Emergency Medicine Course. Sponsored by RI Chapter ACEP. Newport, RI. August 19, 1998.
10. Course Instructor. An Intensive Course in Pediatric Emergency Medicine, The Children's Hospital of Philadelphia, Philadelphia, PA, November, 1998
11. Course Director. Pediatric Updates. Ocean View Update: Emergency Medicine, RI Chapter ACEP, Newport, RI, August 11, 2000.
12. “Strategies for Evaluating the Febrile Child: Truly a Hot Topic”, 19th Annual Physician Assistant Academy of Vermont Winter CME Conference, Stowe, VT, January 4th, 2001.
13. Debate Moderator, “Oral vs. Intravenous Rehydration”, PEM Special Interest Group, Pediatric Academic Societies meeting, Seattle, WA, May, 2003.
14. “Evidence-based Practice Center Presentation—Management of Postpartum Hypertensive Disorders of Pregnancy”. NIH Pathways to Prevention (P2P) Program. Identifying Risks and Interventions to Optimize Postpartum Health (webinar), December 1st 2022.
15. “Evidence-Based Practice Center (EPC) Grand Rounds—Management of Postpartum Hypertensive Disorders of Pregnancy” (webinar sponsored by Academy Health & AHRQ Effective Health Care Program and Scientific Resource Center), June 14th, 2023.

International

1. Panelist, “Continuing Statistical Education for Clinicians: How to Engage a Busy Bunch of Docs”. Topic Contributed Panel. Section on Teaching Statistics in the Health Sciences. Joint Statistical Meetings, Montreal, QC, Canada. August 7, 2013.
2. “Reproducible Research” Zoom lecture and discussion, Centre of Excellence for Trauma & Emergencies. EM Research Insights Course. Karachi, Pakistan. September 27th, 2023.

GRANTS

1. Co-Principal Investigator. Rhode Island Emergency Medical Services for Children

- Program (subcontracted from Division of EMS, RI Dept of Health) FY 95: \$264,035
2. Co-Investigator. "Development and Implementation of an Emergency Medicine Curriculum on the World Wide Web Utilizing a MOO-Based Collaborative Hypermedia System. Innovations in Medical Education Grant". Emergency Medicine Foundation and Society for Academic Emergency Medicine, 1995: \$5,000
 3. Co-Principal Investigator. EMSC Targeted Issue Grant (MCHB) - PEDI-STAT: Pediatric Emergency Dispatch and Information System for Telephone Assistance and Treatment. Rhode Island Emergency Medical Services for Children Program (subcontracted from Division of EMS, RI Dept of Health - total funding \$299,576). 10/1996 - 9/19/98.
 4. Investigator. "Symptom Perception in Critical Adolescent Asthma", R01 HL64938-01A1 (PI: AL Mansell. NLHBI – total funding \$2,287,167) funding period 4/10/2001 – 4/09/05.
 5. Site PI: "Prospective Epidemiologic Study of the Severity of Bronchiolitis in Infants Treated in Urgent/Emergent and Hospital Settings". Total funding \$51,180. Merck Protocol 00900-016, Observational Bronchiolitis Study (RIH #0288-04), 8/2004 – 4/2005.
 6. PI: A Study of Respirophasic Changes in Blood Pressure Among ED Patients with Dyspnea (RIH #0055-03). Amount: \$75,426, Subcontract from Plethlogic: R41 MHL74633, 09/01/2004 – 08/31/2005.
 7. Site PI: "Site PI: "Validation of the Modified Pulmonary Index Score". Merck, 9/1/05 – 4/30/07.
 8. PI. "Hematoma Blocks in Forearm Fractures: An Effective Adjunct to Conscious Sedation? Internally funded. Department of Emergency Medicine, 1/2007 (PEM Fellow project - Erika Constantine).
 9. Investigator: "Intranasal Ketamine for Procedural Sedation in Pediatric Laceration Repair", PI. James Linakis, Internally Funded. Department of Emergency Medicine, 5/2007 (Daniel Tsze).
 10. Co-Investigator. Small Systematic Review - Task Order #2: Item #3: Mechanical Bowel Preparation. Amount \$50,673, PI. Issa Dahabreh, Sub-award from Brown University Evidence Practice Center (EPC) IV AHRQ Base Contract: HHS-290-2012-00012-I. 10/24/2012 - 8/31/2013.
 11. Co-Investigator. Large Systematic Review - Diagnosis of Right Lower Quadrant Pain and Suspected Appendicitis. Amount \$69,552. PI Issa Dahabreh. Sub-award from Brown University Evidence Practice Center (EPC) IV AHRQ Base Contract HHS-290-2012-00012-I_HHS29032004T. 6/1/2013 - 7/31/2014.
 12. Co-Investigator. Large Systematic Review - Omega 3 Fatty Acids on CVD, update task order 7. Amount \$76,129. PI Ethan Balk. Sub-award from Brown University Evidence Practice Center (EPC) IV AHRQ Base Contract HHS2902012000121-RFT07. 8/28/2014 - 8/13/2015.
 13. Site Co-Principal Investigator. Established Status Epilepticus Treatment Trial (ESETT). NIH / NINDS 1U01NS088034 (PI Kapur). 9/30/2014-8/31/2019. Current direct award:

- \$6,170,975. Direct Cost/year: sub-award, per patient enrollment. 2014 - Present.
14. Project Lead. Topic Refinement - Tympanostomy Tubes. Contract amount \$125,000. Brown University Evidence Practice Center (EPC). PI Tom Trikalinos. Base Contract: HHS2902015000021. 2/25/2015 – 7/8/2015.
 15. Project Lead. Medium Systematic Review - Tympanostomy Tubes. Contract amount \$355,000. Brown University Evidence Practice Center (EPC). PI Dale Steele. Base Contract: HHS2902015000021. 9/15/2015 – 7/5/2016.
 16. Project Lead. Topic Refinement. Interventions for Substance Use Disorders in Adolescents. AHRQ Contract amount \$125,000. Brown University Evidence-Based Practice Center (EPC). 3/30/2018 – 8/5/2018.
 17. Project Lead. Large Systematic Review. Interventions for Substance Use Disorders in Adolescents. AHRQ Contract amount \$500,000. Brown University Evidence Practice Center (EPC). Base Contract: HHS2902015000021, 8/6/2018 – 8/5/2019.
 18. Project Lead. AHRQ Contract amount \$125,000. Postpartum Management of Women who Experience Hypertensive Disorders of Pregnancy. Topic Refinement. Brown University Evidence-Based Practice Center. 9/22/2021 – 12/08/2021.
 19. Project Lead. Postpartum Management of Women who Experience Hypertensive Disorders of Pregnancy. Medium Systematic Review, Webinar Presentation and Manuscript Preparation. AHRQ Contract amount \$402,000. Brown University Evidence-Based Practice Center. 12/09/2021 – 12/08/2022.
 20. Co-investigator/Methods Expert. Coordination of Care Postpartum for Women Up to One Year after Pregnancy. Large Topic Refinement. AHRQ Contract amount \$150,000. Brown University Evidence-Based Practice Center. 9/22/2021 – 12/29/2021.
 21. Co-investigator/Methods Expert. Coordination of Care Postpartum for Women Up to One Year after Pregnancy. Large Topic Refinement. Medium Systematic Review. AHRQ Contract amount \$402,000. Brown University Evidence-Based Practice Center. 12/30/2021 – 12/29/2022.
 22. Project Lead. Diagnosis and Management of Obsessive-Compulsive Disorders in Children. Medium Topic Refinement. AHRQ Contract amount \$125,000. Brown University Evidence-Based Practice Center. 03/27/2023 – 06/12/2023
 23. Project Lead. Diagnosis and Management of Obsessive-Compulsive Disorders in Children. Medium Topic Refinement. AHRQ Contract amount \$402,000. Brown University Evidence-Based Practice Center. Medium systematic review, webinar and manuscript. 06/13/2023 – 06/11/2024.
 24. Site PI. Headache Assessment of Children for Emergent Intracranial Abnormalities (PECARN HEADACHE). R01 NS110826 (PI Tsze – total award amount \$230,829). 9/1/20 – 6/30/25 (5% effort).
 25. Rhode Island Hospital Injury Control Center for Biomedical Research Excellence (COBRE). NIH / NIGMS (PI Michael Mello). 4/1/22 – 1/31/27 (5% effort). My role is to provide seminars and faculty mentorship relating to evidence synthesis.

UNIVERSITY TEACHING ROLES

2003 - 2013 Program Director, Brown University Affiliated Fellowship in Pediatric Emergency Medicine. Curriculum design, conference coordination,

	clinical and research supervision and mentorship, for 3-year fellowship (2 fellows recruited per year)
7/1994 – 9/2002	Course Director, Biomed 565, Pediatric Emergency Medicine Clerkship
7/92 – Present	Biomed 565, Pediatric Emergency Medicine Clerkship
10/2000 – 6/2004	Biomed 551, PLME Affinity Group; Pediatric and Adolescent Medicine, Affinity Group Leader
7/92 - Present	Attending Preceptor: Biomed 331B, Core Pediatrics. 3 rd year students each spend two four-hour shifts in Hasbro ED, supervised by Attending staff.
7/92- Present	Brown University affiliated residencies in: Pediatrics (PL-I – PL3), Emergency Medicine (PGY-I to PGY-IV) and Family Medicine ED rotation (PGY-III)
4/21/2014	Brown University course, PHP 1680k. Introduction to Conducting Clinical Research. Invited lecture: Evaluating and Drawing Conclusions from Medical Literature.
Spring 2016	Brown University course, PHP2980 Independent Study with Alissa Trepman, MPH Candidate '16.
Spring 2019	Thesis reader and research mentor for Xiofei (Annie) Yang, ScM Candidate, Biostatistics Master’s Health Data Science Track. Yang, Xiaofei, "Secondary Data Analysis of PECARN Traumatic Brain Injury in Children Dataset" (2019). Biostatistics Theses and Dissertations. Brown Digital Repository. Brown University Library. https://doi.org/10.26300/smv3-ve69
Fall 2019	Thesis reader for Olivia Sehlhorst, MPH candidate, School of Public Health, “Pediatric Emergency Care Coordinator (PECC) Program Evaluation and Impact on Pediatric Prehospital Care”.
Fall 2023	Centre of Excellence for Trauma & Emergencies. “Data Wrangling and Reproducible Research” lecture via Zoom.