

Pediatric Emergency Medicine Research and Scholarly Activity

July 1, 2018-February 2021

Division of Pediatric Emergency Medicine (PEM)
Research and Scholarly Activity
Division Director: Cristina Estrada, MD
Director of PEM Research: Don Arnold, MD, MPH

Peer Reviewed Original Research Manuscripts

Arnold DH, Bowman N, Reiss TF, Hartert TV, Akers WS, Seger DL. Adverse events associated with weight-based, high-dose montelukast exposures in children. [Clin Toxicol](#) (Phila). 2020 Feb;58(2):145-146. doi: 10.1080/15563650.2019.1609686. Epub 2019 May 6. Erratum in: Clin Toxicol (Phila). 2020 Feb;58(2):e1. PMID: 31056949; PMCID: PMC7314285

Arnold DH, Pologe JA, Wolley KL; Respiratory waveform variation can prevent pulsus paradoxus measurement by sphygmomanometer [J Asthma](#). 2019 Jul;56(7):687-692. doi: 10.1080/02770903.2018.1490959. Epub 2018 Aug 29. PMID:29972658

Arnold DH, Estrada CM, Penrod CH, Lavin LR, Saville BR, Xu M, Lowen DE; Fractures in the Pediatric Emergency Department: Are We Considering Abuse? [Clin Pediatr \(Phila\)](#). 2018 Sep;57(10):1161-1167. doi: 10.1177/0009922818759319. Epub 2018 Feb 16. PMID: 29451007

Ciener DA, Rogers AJ, Lye PS, Ren B, Kuhn EM, Morrison AK; Using Quality Improvement to Change Testing Practices for Community-acquired Pneumonia [Pediatr Qual Saf](#). 2018 Sep 20;3(5):e105.doi:10.1097/pq9.000000000000105. eCollection 2018 Sep-Oct.PMID: 30584632

Fain E, Ambroggio L, Herman H, Huang G, Florin TA; Clinical Risk Factors for Revisits for Children with Community-Acquired Pneumonia [Hosp Pediatr](#). 2018 Nov;8(11):718-723. doi: 10.1542/hpeds.2018-0014. PMID: 30352815

Hanson HR, Carlisle MA, Bensman RS, Byczkowski T, Depinet H, Terrell TC, Pitner H, Knox R, Goldstein SL, Basu RK. Early prediction of pediatric acute kidney injury from the emergency department: A pilot study. [Am J Emerg Med](#). 2021 Feb;40:138-144. Doi: 10.1016/j.ajem.2020.01.046. Epub 2020 Jan 27. PMID: 32024590

Hanson HR, Dorney K, Dodington JM, Rees CA, Farrell CA, Lyons TW, Lee LK; and the Injury Free Coalition for Kids®. Preventing injuries must be a priority to prevent disease in the twenty-first century. [Pediatr Res](#). 2020 Jan;87(2):282-292. doi: 10.1038/s41390-019-0549-7. Epub 2019 Aug 29. PMID: 31466080

Hanson HR, Gittelman MA, Pomerantz WJ; Trends of ED Visits, and deaths for pediatric traumatic brain injury comparing sport and non-sport mechanisms [Inj Epidemiol](#). 2019 May 29;6(Suppl 1):23. doi: 10.1186/s40621-019-0207-x. eCollection 2019. PMID: 31333989

Hanson HR, Babcock L, Byczkowski T, Goldstein SL; Describing pediatric acute kidney injury in children admitted from the emergency department [Pediatr Nephrol](#). 2018 Jul;33(7):1243-1249. doi: 10.1007/s00467-018-3909-3. Epub 2018 Mar 17. PMID: 29549465

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Platform/Poster Presentations

Arnold DH; “Pneumonia severity in children: Utility of Procalcitonin in risk stratification.” Platform, Pediatric Academic Societies, Philadelphia, PA, 2020 May

Arnold, DH; “Validation of Childhood Pneumonia Prognostic Tool for use in Emergency Care settings in the United States.” Platform, Pediatric Academic Societies, Philadelphia, PA, 2020 May

Arnold DH, Burger CE; “Changes in skeletal muscle strength associated with inhaled albuterol delivered with nebulized and metered-dose inhaler.” Platform, Vanderbilt University Medical Center, Vanderbilt University Undergraduate Clinical Research Internship Program, Nashville, TN, 2019 August

Ciener DA, Hanson HR, Saint Georges M, Wormer B, Al Kassis S, Lindsell C; “A randomized controlled trial comparing cosmetic outcomes of pediatric laceration closure using a tissue adhesive (Dermabond), adhesive strips (Steri-Strips) and absorbable sutures.” PMID: 4109. Poster, Pediatric Academic Societies National Conference, Baltimore, MD, 2019 April

Ciener DA, Pickett M, Hoeh E, Vistocky A, Norman B, Drendel A. “Adolescents’ Knowledge and attitudes towards expedited partner therapy in the emergency department.” PMID: 4136.324 Poster Presentation, pediatric Academic Societies National Conference, Baltimore, MD, 2019 April

Hanson, HR, “Invasive Bacterial Infections in Afebrile Infants Diagnosed With Acute Otitis Media.” Platform Presentation, Pediatric Academic Societies, Philadelphia PA, 2020 May

Kidd R; “Febrile Neonates: treating Small Patients with Big Risks.” Poster Presentation, Children’s Hospital Association Quality & Patient Safety Conference, Atlanta, GA, 2019 March

Williams S, “Bupivacaine toxicity after greater occipital nerve block in a patient with a skull defect.” Poster, North American Congress of Clinical Toxicology, Nashville, TN, 2019 September

Williams S, “Pharmacy dispensing error: ropinirol for risperidone in a 10 yr old boy resulting in hallucinations.” Poster, North American Congress of Clinical Toxicology, Nashville, TN, 2019 September

Oral Presentations

Arnold DH. “Assessment and management of acute asthma exacerbations in the outpatient setting.” Oral Presentation at Tennessee Association of School Nurses Annual Conference. Nashville, TN, 2018 October

Arnold DH. “Asthma Attack: Paradigm for the Safe Emergency Department.” Oral Presentation at Grand Rounds for Department of Pediatrics. Nashville, TN, 2018 December

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Abstracts

Arnold, DH; “High dose Montelukast pharmacokinetics in children with asthma attacks.” Abstract, Vanderbilt University Medical Center, Vanderbilt Translational Research Forum. Nashville, TN, 2019 October

Arnold DH, Burger CE; “Changes in skeletal muscle strength associated with inhaled albuterol delivered with nebulized and metered-dose inhaler.” Abstract, Pediatric Academic Societies, Philadelphia, PA, 2020 May

Frazier SB; “Provider feedback with goal of further reducing chest x-ray utilization in bronchiolitis management.” Abstract, Pediatric Societies Association, Philadelphia, PA, 2020 May

Awards

Kidd R; Physician of the Month, Monroe Carell Jr. Children’s Hospital at Vanderbilt, Nashville, TN, 2018 October

Kidd R; Faculty Spotlight for Department of Pediatrics, Monroe Carell Jr. Children’s Hospital at Vanderbilt, Nashville, TN, 2019 February

Williams, S; Expert Reviewer, Clinical Toxicology Journal, International, 2020 February

Williams, S; Denis O’Day Faculty Award for Team Implemented Curriculum, Vanderbilt University of Medicine, Nashville, TN, 2020 April

Williams, S; Corey M Slovis MD Award for Excellence in Didactic Teaching, Department of Emergency Medicine, Vanderbilt University Medical Center, Nashville, TN, 2020 June

Activity	Totals: Number
Peer Reviewed Manuscripts	9
Review articles	0
Book Chapters	0
Abstracts	3
Case Reports	0
Platform / Poster Presentations	9
Invited commentary or letters	0
Oral Presentations	2
Other	0
Awards	5
Total	28
Faculty Member	Number of Activity
Don Arnold, MD, MPH	10
Daisy Ciener, MD, MS	3

Cristina Estrada, MD	1
Holly Hanson, MD, MS	5
Rebecca Kidd, MD	3
Saralyn Williams, MD	5
Fellow	Number of Activity
Catherine Burger, MD	1
Steven Barron Frazier, MD	1