

Curriculum Vitae

# Brad Sobolewski, MD, MEd

March 21, 2023

## Personal Data

Business Address    Cincinnati Children's Hospital Medical Center  
Division of Emergency Medicine  
3333 Burnet Avenue, ML5018  
Cincinnati, Ohio 45229  
[brad.sobolewski@cchmc.org](mailto:brad.sobolewski@cchmc.org)

Educator Portfolio    [bradsobolewski.com](http://bradsobolewski.com)

## Education

8/1996 – 5/2000    Washington & Jefferson College  
Washington, PA  
BA Biology, Magna Cum Laude

8/2000 – 5/2004    University of Pittsburgh School of Medicine  
Pittsburgh, PA  
Doctor of Medicine

6/2010 – 11/2013    University of Cincinnati  
Cincinnati, OH  
Master's in Medical Education

6/2004 – 6/2007    Cincinnati Children's Hospital Medical Center  
Cincinnati, OH  
Pediatric Residency

6/2007 – 6/2008    Cincinnati Children's Hospital Medical Center  
Cincinnati, OH  
Pediatric Chief Resident

7/2008 – 6/2011    Cincinnati Children's Hospital Medical Center  
Cincinnati, OH  
Pediatric Emergency Medicine Fellow

## Academic Appointments

3/2018 – present    Associate Professor of Pediatrics  
Division of Pediatric Emergency Medicine  
Cincinnati Children's Hospital Medical Center  
University of Cincinnati College of Medicine

7/2011 – 3/2018    Assistant Professor of Pediatrics

Division of Pediatric Emergency Medicine  
Cincinnati Children's Hospital Medical Center  
University of Cincinnati College of Medicine

5/2013 – 2018      Adjunct Assistant Professor of Pediatrics  
University of Kentucky College of Medicine

6/2007 – 6/2008      Pediatric Chief Resident  
Attending Physician General Pediatrics  
Cincinnati Children's Hospital Medical Center

6/2007 – 6/2008      Clinical Instructor Inpatient Neurosurgery Service  
Cincinnati Children's Hospital Medical Center

## Licensing and Certification

Pediatrics - Initial Certification 10/16/2007 Expires 12/21/2023  
Pediatric Emergency Medicine - Initial Certification 4/9/2013 Expires 12/21/2023  
State Medical Board of Ohio – Issue Date 4/11/2007 Expires 1/1/2024  
DEA – Expires 2/28/2024  
Pediatric Advanced Life Support (Instructor) – Expires 9/2023  
CITI Training - Greater Cincinnati Academic and Regional Health Centers

## Awards and Honors

Cincinnati Children's Faculty Junior Educational Achievement Award – February 18, 2022

EBSCO-PEMSoft Award for Technological Innovations in Pediatric Emergency Medicine - 2016

Cincinnati Children's Faculty Teacher of the Year Award – 2011-2012

Cincinnati Children's Pediatric Resident Teaching Award - May-June 2005

Washington and Jefferson College  
Alumni Prize for Original Undergraduate Research in the Life Sciences  
Phi Beta Kappa  
Phi Sigma Biology Honorary Society

## Clinical Service

### Clinical Expertise and Activities

I am a board-certified physician in Pediatric Emergency Medicine practicing at two sites at Cincinnati Children's Hospital Medical Center, the urban tertiary care Level One Trauma center at the Burnet location and the suburban Emergency Department at the Liberty Location. I supervise trainees, including residents, medical students, and fellows in Pediatric Emergency Medicine as well as Nurse Practitioners. I am responsible for patients in all levels and acuity of care within the ED, including resuscitation of critically ill and seriously injured patients in the Shock Trauma Suite.

I am a member of the Medical Resuscitation Committee and have participated in the development

and maintenance of numerous algorithms for use in the Shock Trauma Suite of the Emergency Department at Cincinnati Children's. Our work was highlighted in a manuscript published in Pediatric Emergency Care. During bimonthly meetings we discuss issues germane to the care of critically ill patients in the resuscitation area, develop in situ simulations to identify latent safety threats and knowledge deficits, and to implement new care processes and algorithms. A full list of active algorithms can be found at [MRC.PEMCincinnati.com](http://MRC.PEMCincinnati.com), a website that I design and maintain.

## Research and Scholarly Activities

The major themes of my research output have focused on online asynchronous learning (blogs, podcasts, and videos), digital scholarship, and the assessment of trainees. My most recent scholarly activities include work to define how we use online asynchronous materials to disseminate knowledge, and resident assessment, specifically Resident-Sensitive Quality Measures, and to the role of Clinical Competency Committees, and the use of electronic medical record data to provide practice habits data to our residents. I am also working on a systematic review of asynchronous online educational materials in pediatric respiratory infections, as well as the development of podcast curricula for Nurse Practitioners.

In addition to peer reviewed publications, case reports, book chapters, and other work I have been one of the leading voices in digital scholarship since 2011, with prodigious output in publishing online asynchronous educational materials. This includes 827 blog posts at PEMBlog.com, 113 podcast episodes of PEM Currents: The Pediatric Emergency Medicine Podcast, and dozens of videos. To reflect the breadth of my work in this domain a separate section of my CV entitled "Digital Scholarship" follows the "Research and Scholarly Activities" section.

## Grants and Contracts

1. **HRSA-19-052**

5% support between 8/31/2021 - 9/1/2022 - Total salary and fringe support = \$12,115.44

Scope of work: Additional effort is needed to support HOMERUN Dissemination activities such as participation in the PECARN Dissemination Working Group, packaging of the output from HOMERUN, monitoring and creating relevant content for social media, and develop and assist with the conduct of dissemination plans for HOMERUN investigator-initiated studies.

2. **EMSC: Network Development Demonstration Project**

2022-present - Total salary and fringe support \$10,000 per year

Scope of work: Funding to support the creation and dissemination of online asynchronous materials – specifically podcasts for the EMSC Innovation and Improvement Center.

3. **EMSC Innovation and Improvement Center**

\$2,000 annually provided for services to the advisory board, 2018 to 2021

## Original Research Publications (Peer Reviewed)

1. **Sobolewski B**, Association of Pediatric Program Directors Faculty and Professional Development Learning Community. Nuts and Bolts: Virtual interview preparation & coaching for trainees. Acad Pediatr. 2022 Oct 19:S1876-2859(22)00532-0. doi: 10.1016/j.acap.2022.10.006. PMID: 36272722.
2. Carson, R, **Sobolewski B**. Responsive Podcast Curriculum Development for Asynchronous

Nurse Practitioner Students. *The Journal for Nurse Practitioners*, 2022.  
<https://doi.org/10.1016/j.nurpra.2022.04.008>

3. Gray JM, Schnadower D, Lajolette R, Shah AS, **Sobolewski B**. Going viral: a scoping review of the current state and impact of online research dissemination in emergency medicine. *Academic Emergency Medicine Education and Training*. January 24, 2022.  
<https://doi.org/10.1002/aet2.10725>.
4. Dribin TE, Schnadower D, Wang J, Camargo Jr. CA, Michelson KA, Shaker M, Rudders SA, Vyles D, Golden DBK, Spengel JM, Campbell RL, Neuman MI, Capucilli PS, Pistiner M, Castells M, Lee J, Brousseau DC, Schneider LC, Assa'ad AH, Risma KA, Mistry RD, Campbell DE, Worm M, Turner PJ, Witry JK, Zhang Y, **Sobolewski B**, Sampson HA. Anaphylaxis knowledge gaps and future research priorities: a consensus report. *Journal of Allergy and Clinical Immunology*, 2022, <https://doi.org/10.1016/j.jaci.2021.07.035>.
5. Cramer N, Cantwell L, Ong H, Sivasankar SM, Graff D, Lawson S, Wilson P, Noorbakhsh K, Mickley M, Zuckerbraun NS, **Sobolewski B**, Soung J, Azhdam DB, Wagner Neville DN, Hincapie MR, Marin J. Pediatric Emergency Medicine Fellowship POCUS Training in 2020. *Academic Emergency Medicine Education & Training*. Volume5, Issue4. August 2021. e10643. <https://doi.org/10.1002/aet2.10643>.
6. Lipshaw MJ, Zamor R, Carson R, Mallon D, **Sobolewski B**, Vukovic A, Kurowski E. Evidence-based Standardization of Constipation Management in the Emergency Department: A Quality Improvement Study. *Pediatr Qual Saf*. 2021 Mar-Apr; 6(2): e395. PMID: 33718750. doi: 10.1097/pq9.0000000000000395.
7. Morrison-Ponce D, Tomlinson S, **Sobolewski B**. FOAM Club: A Spin on the Traditional Journal Club Format Focused on Blogs and Podcasts. *Academic Emergency Medicine Education and Training*, 2020. doi: 10.1002/aet2.10516
8. Loftus K, Schumacher D, Mittiga MR, McDonough E, **Sobolewski B**. A Descriptive Analysis of the Cumulative Experiences of Emergency Medicine Residents in the Pediatric Emergency Department. *Academic Emergency Medicine Education and Training*, 2020. doi:10.1002/aet2.10462
9. Schumacher D, Martini A, **Sobolewski B**, Caraccio C, Holmboe E, Basari J, Poynter S, van der Vleuten C, Lingard L. Use of Resident-Sensitive Quality Measure Data in Entrustment Decision Making: A Qualitative Study of Clinical Competency Committee Members at One Pediatric Residency, *Academic Medicine*. 2020 Nov;95(11):1726-1735. doi: 10.1097/ACM.00000000000003435.
10. Schumacher D, Holmboe E, Carraccio C, Martini A, van der Vleuten C, Busari J, **Sobolewski B**, Byczkowski TL. Resident-Sensitive Quality Measures in the Pediatric Emergency Department: Exploring Relationships With Supervisor Entrustment and Patient Acuity and Complexity. *Academic Medicine*. 2020 Aug;95(8):1256-1264. PMID: 32101934 DOI: 10.1097/ACM.00000000000003242
11. Schumacher D, Martini A, Holmboe E, Caraccio C, van der Vleuten C, **Sobolewski B**, Busari J, Byczkowski T. Initial Implementation of Resident-Sensitive Quality Measures in the Pediatric Emergency Department: A Wide Range of Performance, *Academic Medicine*. 2020 Aug;95(8):1248-1255. doi: 10.1097/ACM.00000000000003147. PMID: 31913878

12. Mittiga MR, Frey M, Kerrey BT, Rinderknecht AS, Eckerle MD, **Sobolewski B**, Johnson LH, Oehler JL, Bennett BL, Chan S, Frey TM, Hoehn E, Krummen KM, Lindsay C, Wolfangel K, Masur TJ, Richert A, Bria CL, Geis GL. The Medical Resuscitation Committee: Interprofessional Program Development to Optimize Care for Critically Ill Medical Patients in an Academic Pediatric Emergency Department. *Ped Emerg Care*. 2019 Mar 14. (PMID 30883536). doi:10.1097/PEC.0000000000001742.
13. Zackoff MW, Real FJ, DeBlasio D, Spaulding JR, **Sobolewski B**, Unaka N, Jerardi K, Klein M. Objective Assessment of Resident Teaching Competency through a Longitudinal, Clinically Integrated, Resident-as-Teacher Curriculum. *Acad Pediatr*. 2019 .doi:10.1016/j.acap.2019.01.011 PMID 30853578
14. **Sobolewski B**, Taylor RG, Geis GL, Kerrey BT. Resident Performance of the Rapid Cardiopulmonary Assessment in the Emergency Department. *Ped Emerg Care*. 2018 May 23. PMID: 29794959. doi:10.1097/PEC.0000000000001535.
15. Patel A, Unaka N, Holland D, Schuler C, Mangeot C, Sucharew H, Younts A, Maag L, Treasure J, **Sobolewski B**, Statile A. Increasing Physical Exam Teaching on Family-Centered Rounds Utilizing a Web-Based Tool. *Pediatric Quality and Safety*. 2017;2:e032. PMID: 28300656. doi:10.1097/pq9.0000000000000032.
16. Patel A, Unaka N, **Sobolewski B**, Statile A. Five Steps for Success in Building Your Own Educational Website. *Academic Pediatrics*. Volume 17, Issue 4, May–June 2017, Pages 345–348. PMID: 28300656. doi:10.1016/j.acap.2017.03.004.
17. Zackoff, M. W., DeBlasio, D., **Sobolewski, B.** and Klein, M. (2016), Implementation of point-of-care tools for assessment of teaching. *Med Educ*, 2016. 50: 1169. doi:10.1111/medu.13183. PMID: 27761997. doi:10.1111/medu.13183.
18. **Sobolewski, B**, Kerrey, BT, Geis, GL, Bria, CL, Mittiga, MR, Gonzalez del Rey, JG. The April Effect: A Novel Orientation Approach to Improve Rotation Transitions During Pediatric Residency. *Academic Pediatrics*, April 2016, Volume 16, Issue 3, Pages 220–223. PMID: 26875507. doi:10.1016/j.acap.2016.02.005.
19. Chang TP, Pham PK, **Sobolewski B**, Doughty CB, Jamal N, Kwan KY, Little K, Brenkert TE, Mathison DJ. Pediatric Emergency Medicine asynchronous e-learning: a multi-center randomized control Solomon-4-group study. *Academic Emergency Medicine*, 2014 Aug; 21(8):912-9. PMID: 25154469. doi:10.1111/acem.12434.
20. **Sobolewski B**, Richey L, Kowatch R, Grupp-Phelan J, Mental Health Follow-Up among Adolescents with Suicidal Behaviors after Emergency Department Discharge. *Archives of Suicide Research*, 2013;17(4):323-34. PMID: 24224667. doi:10.1080/13811118.2013.801807.
21. **Sobolewski BA**, Zgibor JC, Orchard TJ. ACE inhibitors and calcium channel blockers: patterns of use and associations with mortality in type I diabetes. *Diabetes Research and Clinical Practice*. 2004 Jul; 65(1):37-43. PMID: 15163476. doi:10.1016/j.diabres.2003.11.017.

## In Press

None

## Books, Chapters, Reviews, Case Reports, Guidelines (Peer-Reviewed)

1. Jones M, Dean P, **Sobolewski B**. Emergency Management of an Eyelid Zipper Injury in a Child. *The Journal of Emergency Medicine*, 2020 Mar;58(3):e153-e155. doi: 10.1016/j.jemermed.2019.11.040. Epub 2020 Jan 27.
2. Shah A, **Sobolewski B**, Mittiga, M. Chapter 14: Pediatrics. *The Atlas of Emergency Medicine*, 5<sup>th</sup> Edition. McGraw Hill, 2020.
3. Nistel M, Lee SH, Born H, Greinwald JH, Abdaljaleel M, **Sobolewski B**. The Girl With the Bleeding Earlobe Mass.. *Pediatr Emerg Care*. 2019. doi:10.1097/PEC.0000000000001809 PMID 30907848
4. Alwan R, Drake M, Gurria Juarez J, Emery KH, Shaaban AF, Szabo S, **Sobolewski B**. A Newborn With Abdominal Pain. *Pediatrics* Oct 2017, e20164267; DOI: 10.1542/peds.2016-4267. PMID: 2904242. doi:10.1542/peds.2016-4267.
5. **Sobolewski B**. *Emergency Medicine Section: Med Study Pediatrics Core Curriculum*, 8<sup>th</sup> Edition. The Med Study Corporation, 2017.
6. **Sobolewski B**, Mittiga, M, Gonzalez del Rey, J. Chapter 14: Pediatrics. *The Atlas of Emergency Medicine*, 4<sup>th</sup> Edition. McGraw Hill, 2016.
7. **Sobolewski B**. *Emergency Medicine Section: Med Study Pediatrics Core Curriculum*, 7<sup>th</sup> Edition. The Med Study Corporation, 2015.
8. Delgado A, **Sobolewski B**, Murtagh-Kurowski E. A tale of 2 torsions: Ovarian Torsion in Infants and Toddlers. *Pediatric Emergency Care*. 2013 Mar; 29(3):374-6. PMID: 23462396. doi:10.1097/PEC.0b013e31828547c3.
9. **Sobolewski B**, Grupp-Phelan, J, Marino, B. Chapter 20: The Critically Ill and Injured Child. *Blueprints Pediatrics*, 6<sup>th</sup> Edition. Lippincott Williams & Wilkins, 2013.
10. **Sobolewski BA**, Mittiga MR, Reed JL. Atlantoaxial rotary subluxation following minor trauma. *Pediatric Emergency Care*. 2008 Dec;24(12):852-6. PMID: 19092567. doi:10.1097/PEC.0b013e31818ea0d3.

## Other Publications (Non-Peer Reviewed)

1. **Sobolewski B**. Febrile Seizures: Why They Happen and What to Do. January 19, 2023. <https://blog.cincinnatichildrens.org/healthy-living/febrile-seizures-a-parents-guide/>
2. **Sobolewski B**. Testicle Pain in Boys: Don't Wait, Act. January 4, 2023. <https://blog.cincinnatichildrens.org/safety-and-prevention/dont-mess-with-testicle-pain/>
3. **Sobolewski B**. Bronchiolitis: A New Parent's Guide to One of the Most Common Winter Illnesses. December 13, 2019. <https://blog.cincinnatichildrens.org/bronchiolitis:-a-new-parents-guide-to-one-of-the-most-common-winter-illnesses>

4. **Sobolewski B.** Febrile Seizures: A Parent's Guide. Cincinnati Children's Blog. April 16, 2019. <https://blog.cincinnatichildrens.org/healthy-living/febrile-seizures-a-parents-guide/>
5. **Sobolewski, B.** Don't Mess With Testicle Pain. Cincinnati Children's Blog. June 30, 2017. <https://blog.cincinnatichildrens.org/safety-and-prevention/dont-mess-with-testicle-pain/>
6. **Sobolewski B.** Social media, technology create new frontier in medical education. AAP News 2015; 36:34.PMID: N/A.
7. Senior Editor in Chief - The Pocket 2007-08 to 2023-24 editions
8. Pediatric Resident handbook at Cincinnati Children's Hospital Medical Center

## Abstracts

1. Systematic Online Academic Resource (SOAR) Review: Pediatric Respiratory Infectious Disease  
Society for Academic Emergency Medicine 2023
2. Podium Presentation  
Wu DTY, **Sobolewski B**, Kachelmeyer A, Nix J, Mai MV, Dziorny AC, Klein MD, Schumacher DJ. Deploying and Validating a Portable Informatics Application to Track Resident Clinical Experience in a Pediatric Academic Medical Center. Linking Informatics and Education Academic Forum (LIEAF), part of American Medical Informatics Association (AMIA) Annual Symposium. November 8, 2022. Washington, DC.
3. Virtual Poster Presentation – PAS 2021  
Emergency Medicine  
PEM Fellowship POCUS Training in 2020: A Cross-Sectional Survey of PEM Fellows and Leaders
4. Virtual Poster Presentation – 2020 AAP National Conference and Exhibition  
Council on Quality Improvement and Patient Safety Program  
Evidence-Based Standardization of Constipation Management in the Pediatric Emergency Department: A Quality Improvement Study
5. Poster Presentation – 2020 Pediatric Academic Society Meeting  
Using Virtual Reality Just-in-Time/Just-in-Place (JITP) Simulation to improve accurate senior resident identification of shock during the rapid cardiopulmonary assessment  
Shah A, **Sobolewski B**, Schumacher D, Geis G.
6. Poster Presentation – 2020 University of Michigan Health Professions Education Day  
FOAM Club: A novel interactive conference format focused on the appraisal of blogs and podcast  
Morrison-Ponce D, Tomlinson S, **Sobolewski B**
7. Poster Presentation – APPD 2020 Annual Spring Meeting  
Use of resident-sensitive quality measure data to making an entrustment decision in a pediatric residency  
Schumacher D, Martini A, **Sobolewski B**, Caraccio C, Holmboe E, Basari J, Poynter S, van der Vleuten C, Lingard L.

8. Poster Presentation – 2018 Pediatric Academic Society Meeting  
Objective Assessment of a Resident-as-Teacher Curriculum Demonstrates Measurable Improvement in Teaching Competency  
Zackoff M, DeBlasio D, **Sobolewski B**, Real FJ, Unaka N, Jerardi K, Klein M
9. Poster Presentation – APPD 2017 Annual Spring Meeting (National)  
Including Pediatric Residents in a Standardized Process of Rapid Sequence Intubation in a Pediatric Emergency Department: A Pilot Program  
Kerrey BT, **Sobolewski B**, Kopp T. Gonzalez del Rey JG.
10. Poster Presentation – AAP SOEM Committee for the Future Poster Session at the 2015 AAP National Conference and Exhibition (National)  
A quartet of innovative solutions for procedure education in the Pediatric Emergency Department. **Sobolewski, B.**
11. Poster Presentation – AAP SOEM Committee for the Future Poster Session at the 2014 AAP National Conference and Exhibition (National)  
Education in 140 characters or less: Asynchronous online learning in pediatric emergency medicine. **Sobolewski, B.**
12. Poster Presentation – APPD/COMSEP 2013 Combined Annual Spring Meeting (National)  
A novel online multimedia rotation orientation for pediatric residents in the emergency department. **Sobolewski, B**, Kerrey, B, Geis G, Mittiga M, Bria C, Gonzalez del Rey, J.
13. Poster Presentation – 2010 American Academy of Pediatrics National Conference and Exhibition: San Francisco, CA (National)  
Predictors of mental health follow up among adolescents with suicidal ideation after emergency department discharge. **Sobolewski, B**, Richey, L. Kowatch, R, Grupp-Phelan, J.
14. 2011 Boat Lectures - Cincinnati Children’s Hospital Medical Center: Cincinnati, OH (Local)  
Predictors of mental health follow up among adolescents with suicidal ideation after emergency department discharge. **Sobolewski, B**, Richey, L. Kowatch, R, Grupp-Phelan, J.
15. Poster Presentation - 2001 American Diabetes Association Conference: Philadelphia, PA (National)  
ACE inhibitors and calcium channel blockers: patterns of use and associations with mortality in type I diabetes. **Sobolewski BA**, Zgibor JC, Orchard TJ.

## Media Appearances and Quotes

Wenner Moyer, M. Doctors Expect a ‘Huge Spike’ in Pediatric Injuries at Home. NY Times. Published March 26, 2020, Updated April 18, 2020.

<https://www.nytimes.com/2020/03/26/parenting/kids-injuries-coronavirus.html>. Accessed 1/27/2022.

I was interviewed by the author and contributed multiple quotes discussing what types of injuries we may expect to see in the early stages of the COVID-19 pandemic during quarantine. I also provided recommendations for families to create structured time and offer safe activities.

Wenner Moyer, M. How Are My Kids Still Getting Sick in Lockdown?. Published June 24, 2020, Updated June 28, 2020. <https://www.nytimes.com/2020/06/24/parenting/virus-kids-sick-quarantine-infection.html>. Accessed 1/27/2022.



I was interviewed by the author and was quoted about the general effectiveness of social distancing for preventing a wide array of illnesses, not just COVID-19

## Quality Review of Publications

Gray JM, Schnadower D, Lajolette R, Shah AS, **Sobolewski B**. Going viral: a scoping review of the current state and impact of online research dissemination in emergency medicine. Academic Emergency Medicine Education and Training. January 24, 2022. <https://doi.org/10.1002/aet2.10725>.

Total Citations - 1 / 2022 - 1

This scoping review represents the first effort to develop a model for research and new knowledge dissemination utilizing asynchronous online sources (FOAM) in conjunction with traditional vehicles. I was the senior author and mentored Dr. Gray through the entire process. This paper will serve as the structure for dissemination efforts for organizations such as PECARN and Choosing Wisely.

Carson, R, **Sobolewski B**. Responsive Podcast Curriculum Development for Asynchronous Nurse Practitioner Students. The Journal for Nurse Practitioners, 2022. <https://doi.org/10.1016/j.nurpra.2022.04.008>

Total: Citations - 3 / 2022 – 2 / 2023 – 1

I was the senior author, and mentor for this novel project focused on the creation and assessment of a podcast curriculum for Nurse Practitioner students. I mentored the PI on the construction of survey instruments as well as all aspects of study design. This paper was part of our ongoing work together and is supported by national presentations at conferences like The National Association of Pediatric Nurse Practitioners.

Morrison-Ponce D, Tomlinson S, **Sobolewski B**. FOAM Club: A Spin on the Traditional Journal Club Format Focused on Blogs and Podcasts. Academic Emergency Medicine Education and Training, 2020. doi: 10.1002/aet2.10516

Total Citations - 3 / 2022 – 2 / 2023 - 1

Free open access medical education (FOAM) blogs and podcasts are an important part of medical education. In an effort to develop a conference format akin to the tried-and-true journal club, I developed a conference format that would teach the critical appraisal of blogs and podcasts using validated, evidence-based tools. I also created a one-stop website featuring all the materials that you would need to create such a conference at FOAM-Club.com.

Loftus K, Schumacher D, Mittiga MR, McDonough E, **Sobolewski B**. A Descriptive Analysis of the Cumulative Experiences of Emergency Medicine Residents in the Pediatric Emergency Department. Academic Emergency Medicine Education and Training, 2020. doi:10.1002/aet2.10462

Total Citations - 4 / 2021 – 1 / 2022 – 2 / 2023 – 1

This was a comprehensive analysis of the cumulative clinical experiences, including procedures, and patient and clinical characteristics of two classes of Emergency Medicine residents from the University of Cincinnati. I mentored Dr. Loftus in the development of a data dictionary, and through the development of our descriptive analysis which was the most

detail oriented and broadly focused of its kind. We noted that despite the size and acuity of our hospital that Emergency Medicine residents still saw few resuscitations and performed few critical procedures. This study has implications for Emergency Medicine resident training in Pediatrics at small and large centers alike.

Schumacher D, Martini A, Holmboe E, Caraccio C, van der Vleuten C, **Sobolewski B**, Busari J, Byczkowski T. Initial Implementation of Resident-Sensitive Quality Measures in the Pediatric Emergency Department: A Wide Range of Performance, *Academic Medicine*. 2020 Aug;95(8):1248-1255. doi: 10.1097/ACM.0000000000003147. PMID: 31913878

Total Citations - 18 / 2020 – 2 / 2021 – 9 / 2023 – 7

Competency based medical education is entering a new era, one with broad based assessment of trainees, specifically entrustable professional activities. I was a key contributor on this project where we used actual patient data to define quality measure for the assessment of resident performance derived from the electronic medical record for asthma, bronchiolitis, closed head injuries, and gastroenteritis. The future of resident evaluation will include review of practice habits data in concert with faculty ratings and narrative assessments. This project is one of the early steps in that direction.

Schumacher D, Holmboe E, Carraccio C, Martini A, van der Vleuten C, Busari J, **Sobolewski B**, Byczkowski TL. Resident-Sensitive Quality Measures in the Pediatric Emergency Department: Exploring Relationships With Supervisor Entrustment and Patient Acuity and Complexity. *Academic Medicine*. 2020 Aug;95(8):1256-1264. PMID: 32101934 DOI: 10.1097/ACM.0000000000003242

Total Citations - 19 / 2019 - 1 / 2020 - 1 / 2021 – 7 / 2022 - 10

This paper is a companion to our work to implement a system of competency measures using information derived from the electronic medical record. This project investigated 83 actual residents who cared for patients with asthma, bronchiolitis, and closed head injuries. We noted a wide range of our pre-defined quality indicators across encounters. This is the practical application of key metrics of evaluation in residents working in the ED, and represents an important step in our ongoing efforts to provide more robust and accurate assessment data for our trainees.

Mittiga MR, Frey M, Kerrey BT, Rinderknecht AS, Eckerle MD, **Sobolewski B**, Johnson LH, Oehler JL, Bennett BL, Chan S, Frey TM, Hoehn E, Krummen KM, Lindsay C, Wolfangel K, Masur TJ, Richert A, Bria CL, Geis GL. The Medical Resuscitation Committee: Interprofessional Program Development to Optimize Care for Critically Ill Medical Patients in an Academic Pediatric Emergency Department. *Ped Emerg Care*. 2019 Mar 14. (PMID 30883536). doi:10.1097/PEC.0000000000001742.

Total Citations - 3 / 2020 – 1 / 2021 – 2

The Medical Resuscitation Committee is a multidisciplinary group within the Division of Emergency Medicine that focuses on the care of critically ill children of the Shock Trauma Suite of the Emergency Department at Cincinnati Children's. This paper details our work to develop algorithms and an educational platform that includes planned in situ simulations, educational conferences involving actual patient encounters in the resuscitation area, and an iterative improvement focused process.

**Sobolewski B**, Taylor RG, Geis GL, Kerrey BT. Resident Performance of the Rapid Cardiopulmonary

Assessment in the Emergency Department. Ped Emerg Care. 2018 May 23.  
PMID: 29794959. doi:10.1097/PEC.0000000000001535.

Total Citations – 1 / 2021 - 1

This video review-based study of senior pediatric resident performance of the rapid cardiopulmonary assessment on actual patients in the resuscitation area of the Emergency Department. Resident performance of a complete examination and assessment of patients' airway, breathing and circulation was rare. I was the principal investigator in this project that helped define educational efforts (such as simulation training) for the residents working in the ED at our institution in the years since its publication.

**Sobolewski B**, Kerrey BT, Geis GL, Bria CL, Mittiga MR, Gonzalez del Rey JG. The April Effect: A Novel Orientation Approach to Improve Rotation Transitions During Pediatric Residency. Academic Pediatrics, April 2016, Volume 16, Issue 3, Pages 220–223.  
PMID: 26875507

Total Citations – 6 / 2018 – 2 / 2019 – 0 / 2020 -1 / 2021 – 2 / 2022 - 1

This study detailed our efforts to develop an online orientation for residents rotating through the Emergency Department at Cincinnati Children's Hospital Medical Center. Following a targeted needs assessment, we developed a multimedia orientation to address the challenges of orienting 30-40 residents from a multitude of training levels and programs to our ED. The current version is live at [pemocincinnati.com/orientation](http://pemocincinnati.com/orientation). This study was also my master's in education thesis. I learned quite a bit about the full process of curriculum design.

Chang TP, Pham PK, **Sobolewski B**, Doughty CB, Jamal N, Kwan KY, Little K, Brenkert TE, Mathison DJ. Pediatric Emergency Medicine asynchronous e-learning: a multi-center randomized control Solomon-4-group study. Academic Emergency Medicine, 2014 Aug; 21(8):912-9. PMID: 25154469. doi:10.1111/acem.12434.

Total Citations – 59 / 2019 – 7 / 2020 – 7 / 2021 – 11 / 2022 – 4 / 2023 – 1

This innovative project was one of my earliest efforts to investigate novel ways to educate trainees in the ED. This was a multi-site randomized intervention that was well coordinated and implemented. I was the site lead at Cincinnati Children's and was responsible for the local IRB and project implementation and data collection. We found that residents can use online materials to supplement their learning and was produced in a time before the development of online training repositories that featured asynchronous materials.

## Digital scholarship

Since 2011 I have been one of the leading asynchronous online content producers in Pediatric Emergency Medicine and Emergency Medicine. My site is a PEM focused resource in the Free Open Access Medical Education (FOAM, #FOAMed) movement and my blog posts and podcasts are viewed by hundreds of people every day. My content follows the quality indicators defined by the METRIQ collaborative and is subject to both pre and post-publication peer review. In addition, I have personally designed and maintain multiple websites using the WordPress platform. Individual statistics and details are available upon request. I am skilled in the development and production of the following media.

- Website design and maintenance - WordPress platform

- Podcast production – GarageBand (Apple)
- Video production, cinematography, and editing – multiple formats, Final Cut Pro (Apple)
- Photoshop image editing and infographic development

## Websites

### PEMBlog

[PEMBlog.com](http://PEMBlog.com)

2012 - Present

One of the first Pediatric Emergency Medicine educational blogs with greater than 1.28 million lifetime views since August 2012. The blog is focused on key topics in Pediatric Emergency Medicine and has afforded me the opportunity to mentor numerous trainees and colleagues in the creation of asynchronous online materials. It has also highlighted the work of colleagues in PEM and at Cincinnati Children's, as well as the work of organizations such as PECARN and the AAP Section on Emergency Medicine. [The social media index from Academic Life in Emergency Medicine lists PEMBlog as the 38<sup>th</sup> ranked Emergency Medicine site in the world, and the #2 Pediatric focused site.](#) It has also been recognized as one of the [Top 70 medical blogs on Feedspot \(#34\)](#). [My Symplur healthcare social graph score is 51.71](#). This is an index of my involvement in online healthcare conversations and places me in the 4<sup>th</sup> to 5<sup>th</sup> highest decile of all users on the platform. I have mentored dozens of trainees and taught them how to develop and publish online asynchronous content.

Readers are drawn to the site via (data as of February 14, 2023):

- Email subscriptions – 4,561 subscribers
- [Twitter via the @PEMTweets account](#) – 2,883 followers
- [Facebook page](#) – 879 followers
- RSS feed
- Organic searches
- WordPress follows

[Microsoft Excel File with list of all PEMBlog posts \(up to date as of 2/14/2023\)](#)

### PEM Currents: The Pediatric Emergency Medicine Podcast

[PEMCincinnati.com/podcasts](http://PEMCincinnati.com/podcasts)

2013 - Present

PEM Currents: The Pediatric Emergency Medicine Podcast is one of the leading podcasts in Pediatric Emergency Medicine, featuring brief (15-20 minute) episodes focused on key topics in Pediatric Emergency Medicine. I produce each episode and edit and publish all the content. It is available on multiple platforms include Apple Podcasts, Google Play, Spotify, Stitcher and more including direct streaming of episodes on the podcast website and PEMBlog.com. It has been widely cited on educational websites and was named best Pediatric Emergency Medicine podcast in Academic Emergency Medicine. To date I have had almost 690,000 cumulative listens of my episodes. It has a 4.6 out of 5-star cumulative rating on Apple Podcasts. I have also mentored numerous trainees and colleagues in the creation of podcasts and have offered CME through Cincinnati Children's for multiple episodes. I have mentored dozens of trainees and taught them how to develop and publish online asynchronous content.

[Microsoft Excel File with list of all PEM Currents: The Pediatric Emergency Medicine Podcast episodes and listener statistics \(up to date as of 2/14/2023\)](#)

### PEMPix

### [PEMPix.com](http://PEMPix.com)

2017 - present

Online home of the AAP Section on Emergency Medicine's annual visual diagnosis competition. From 2017-2022 I was the coordinator and host of this highly anticipated annual presentation. I have innovated this educational activity by adding online posts at PEMBlog.com and developing a secure online portal for case submissions.

### **Pratt Lectures**

#### [PrattLectures.com](http://PrattLectures.com)

2021 – present

In response to the COVID-19 pandemic-imposed limitations on in person presentations I created the online portal for pediatric resident research presentations at the 2021 & 2022 Pratt Research Symposia. I developed an easy-to-follow template for the residents and mentored them in creating brief, focused research presentations that showcased their work.

### **FOAM Club**

#### [FOAM-Club.com](http://FOAM-Club.com)

2019 - Present

An online all-in-one resource with everything that an educator would need to host a journal club style educational session focused on the critical appraisal of blogs and podcasts.

### **Pediatric Board Review Videos**

#### [PediatricBoardReviewVideos.com](http://PediatricBoardReviewVideos.com)

2018 - Present

Online Board Review Series for Pediatric Residents at Cincinnati Children's. I filmed and edited all of the videos and built the website.

### **Pediatric Emergency Medicine Fellows Conference**

#### [PEMFellowsConference.com](http://PEMFellowsConference.com)

2018 - Present

Landing page for the annual Pediatric Emergency Medicine Fellows Conference

### **Cincinnati Children's Medical Resuscitation Committee**

#### [MRC.PEMCincinnati.com](http://MRC.PEMCincinnati.com)

2013 - Present

Online resource for Shock Trauma Suite algorithms for the resuscitation area at Cincinnati Children's. This resource also features summaries of the evidence for select resources and is an up-to-date account of the collaborative efforts of the Medical Resuscitation Committee.

### **Cincinnati Children's Trauma Surgery Guidelines**

#### [Trauma.PEMCincinnati.com](http://Trauma.PEMCincinnati.com)

2016 - Present

Online resource for Cincinnati Children's Hospital Medical Center Trauma Algorithms and Protocols. The site was viewed 4,775 times in 2022, 3,719 times in 2021, and tallies over 17,000 lifetime views.

### **EmergiQuiz**

#### [EmergiQuiz.com](http://EmergiQuiz.com)

2020 - Present

EmergiQuiz is the AAP Section on Emergency Medicine's annual case presentation competition that challenges the audience to think through the differential diagnosis for a complex case. Each year, 4 pediatric emergency medicine fellows are chosen from a large pool of submissions to present a

case. I built this website from scratch to support the mission of the AAP SOEM when the COVID-19 pandemic made in person presentations an impossibility.

## **Online Guide to Emergency Medicine rotation evaluations for faculty at Cincinnati Children's**

[Evaluations.PEMCincinnati.com](https://evaluations.pemcincinnati.com)

Resource for resident evaluations for the ED Rotation

## **Physical Exam Toolkit**

[physicalexamtoolkit.com](https://physicalexamtoolkit.com)

Hospital Medicine based resource for teaching the physical exam during rounds.

## **Deprecated Websites**

### **Online Orientation to the Emergency Department Rotation at Cincinnati Children's**

[PEMCincinnati.com/Orientation](https://PEMCincinnati.com/Orientation)

Online orientation to the Emergency Department rotation for residents at Cincinnati Children's.

### **Residents as Teachers Curriculum**

[RATC.PEMCincinnati.com](https://RATC.PEMCincinnati.com)

Evaluation platform for the Residents as Teachers Curriculum

## **Videos**

My self-produced and edited educational videos are hosted on [Vimeo](https://vimeo.com) and [YouTube](https://www.youtube.com). I have amassed over 111,800 total views on Vimeo since June 2011 and 190,500 views on YouTube since 2015. They include both brief didactic presentations and procedural instruction. I have also produced instructional videos for the evaluation of residents at Cincinnati Children's, an online orientation to the ED rotation, a virtual tour of the Burnet campus, and a series of videos for residency recruitment. I produced a series of instructional procedure videos for the AAP's PediaLink. Topics include IV insertion, Intramuscular and Subcutaneous Injections, Bag Mask Ventilation, UVC, Splinting, Lumbar Puncture and Endotracheal Intubation.

[Cumulative statistics for my videos hosted on Vimeo and YouTube \(up to date as of 2/14/2023\)](#)

## **Quality Review of Videos**

### **PEMPix 2021**

<https://vimeo.com/pemcincinnati/pempix2021>

Published October 2021

112 lifetime views

This video version of the annual AAP National Conference and Exhibition presentation was streamed live to attendees. I recorded the presentation in front of a green screen in my office simultaneously with a recorded PowerPoint slide show. I added titles, graphics, music, and interludes all in the spirit of the classic 1980s videogame Punch-Out!! Attendees were able to engage with me via the online chat, and still had the opportunity to guess the diagnosis for the ten cases presented. View counts are only for Vimeo and represent people that have watched the presentation after its initial airing at the AAP NCE. Data from the AAP's streaming service is not available to presenters.

### **Virtual Tour of the Cincinnati Children's Burnet Campus**

<https://youtu.be/PTFUDCi1u7Q>

Published in July 2021, Updated August 2022

1,576 lifetime views

In conjunction with Cincinnati Children's GME I created a virtual video tour of the Burnet campus of our hospital. I edited together footage that I filmed with Cincinnati Children's marketing footage and wrote and recorded the narration. This video is shown to applicants to many positions at Cincinnati Children's in advance of their interviews – specifically our residency program and fellowships.

### **Orientation to the Shock Trauma Suite at Cincinnati Children's**

<https://vimeo.com/pemcincinnati/traumabayorientation>

Published June 2012

1,163 lifetime views

This is one of the first major training videos I produced at Cincinnati Children's and has long been the de facto video orientation to provider roles in the Shock Trauma Suite (resuscitation area) in the Emergency Department at Cincinnati Children's. It is watched by residents, fellows, nurses, surgeons, trauma team members, and other members of the health care team prior to them working in the trauma bay.

### **Hospital Medicine Board Review Presentations**

**Procedural Sedation** - <https://vimeo.com/pemcincinnati/hmboardreviewsedation>

**Injuries and Exposures** - <https://vimeo.com/pemcincinnati/hmboardreviewtox>

This duo of virtual presentations was created for the Cincinnati Children's Hospital Medicine virtual Board review Course. All too often recorded presentations lack the level of engagement of in-person didactic teaching. I attempted to recreate that feel and include a level of polish not typically seen in these types of videos by editing together a recorded audio PowerPoint presentation, with footage of me in front of a green screen, along with titles and graphics.

### **Reduction of the dislocated patella**

<https://www.youtube.com/watch?v=57dGvS4JL4k>

Published November 2015

171,215 lifetime views

This brief procedural tutorial is one of my most watched videos on YouTube. It succinctly details how to reduce a dislocated patella and is a good example of the “teach one thing” philosophy of online educational videos.

### **The Pupil Exam in Altered Mental Status**

<https://www.youtube.com/watch?v=f5Lq00OYXtY>

Published November 2015

1,246 lifetime views

This brief video is an animation that I created and details some of the pupillary findings that are seen in patients with altered mental status. It is an example of the types of animations that I can create to demonstrate physical exam findings.

### **PediaLink: Lumbar Puncture**

<https://vimeo.com/pemcincinnati/lp>

Published June 2013

5,235 lifetime views

This is a more standard educational video that I created as a part of a series for the AAP's PediaLink educational platform. It combines titles, narration, graphics, and simulated footage of a lumbar puncture filmed from multiple angles simultaneously.

## **PRECISE-ED Anaphylaxis study videos**

<https://vimeo.com/showcase/8874289>

Published Fall 2021

I produced a series of training and introductory videos for the PRECISE-ED anaphylaxis study in conjunction with Tim Dribin. The video footage is an edited recording of a Zoom call, overlaid with graphics and text to create a more polished presentation. I was present during the Zoom call and produced the videos virtually.

## **Podcast Guest Episodes**

1. Cincinnati Children's Young & Healthy Podcast: First Aid: Skill to Save a Life. February 3, 2023  
<https://youngandhealthy.podbean.com/e/first-aid-skills-to-save-a-life/>  
An episode recorded with Pediatric Emergency Medicine fellow, and mentee Cindy Chang, discussing CPR, AEDs, bleeding control, and our work to educate children in one of our local school districts.  
- 323 listens as of 3-13-2023
2. Cincinnati Children's Young & Healthy Podcast: Parents, We Need Your Attention: Babies and Kids are Sick, Children's Hospitals are Full, Wait Times are Long. November 11, 2022.  
<https://www.podbean.com/ew/pb-zah4t-13108aa>  
An episode recorded with Dr. Patty Manning-Courtney, and Dr. Felicia Scaggs-Huang that provides guidance for parents whose children are sick with bronchiolitis.  
- 817 listens as of 3-13-2023
3. Woods, J. Episode 5: Establishing an Education Brand with Brad Sobolewski. Little Big Med. Published January 11, 2018. <http://www.littlebigmed.com/educationbranding/>. Accessed 1/27/2022.  
This episode of my mentee, Jason Wood's, podcast was focused on creating an education brand online. It included information on consistent voice and visual identity as well as how I got started in FOAM.

## **Guest Publications**

I authored a series of professional development focused articles for the now deprecated PEM Network Blog and PEMFellows.com website.

**Sobolewski B.** A job within a job: residency rotation director January 22, 2015,  
<http://www.pemfellows.com/blog/a-job-within-a-job-residency-rotation-Director/>

**Sobolewski B.** Getting testy: parents who demand tests in the ED and doctors who may or may not order them. February 26, 2015 <http://www.pemfellows.com/blog/getting-testy-parents-who-demand-Tests-in-the-ed-and-doctors-who-may-or-may-not-order-them/>

**Sobolewski B.** Helping fellows bring angry parents back from the brink. April 28, 2015  
(<http://www.pemfellows.com/blog/helping-fellows-bring-frustrated-parents-Back-from-the-brink/>)

**Sobolewski, B.** More Nurse Practitioners nationwide: Is your ed on board? June 2, 2015  
(<http://www.pemfellows.com/blog/more-nurse-practitioners-nationwide-is-Your-ed-on-board/>)

**Sobolewski B.** How APRNs complement a PEM training program. July 7, 2015



<http://www.pemfellows.com/blog/how-aprns-complement-a-pem-training-Program/>

**Sobolewski B.** Just the facts: assessing how trainees gather info. August 25, 2015  
<http://www.pemfellows.com/blog/getting-better-ed-histories-using-Pediatric-milestones/>

**Sobolewski, B.** What's the plan, man? Assessing how trainees develop the plan of care.  
September 15, 2015 (<http://www.pemfellows.com/blog/whats-the-plan-man-assessing-how-trainees-develop-the-plan-of-care/>)

## Teaching and Mentoring

### Learners

#### Residents

In the ED at Cincinnati Children's, I precept residents from the Cincinnati Children's Pediatric Residency Training Program as well as those from the University of Cincinnati Emergency Medicine Residency and other residents rotating from outside institutions. I also support the residents of our pediatric residency program as one of our Associate Program Directors.

#### Pediatric Emergency Medicine Fellows

I supervise fellows in the Emergency Department specifically overseeing patient care, ED flow coordination and supervision of residents.

### Online Asynchronous Educational Content

Since 2012 I have been one of the leading asynchronous online content producers in Pediatric Emergency Medicine and Emergency Medicine. My site is a PEM focused resource in the Free Open Access Medical Education (FOAM, #FOAMed) movement and my blog posts and podcasts are viewed by hundreds of people every day. I have mentored and inspired dozens of residents, fellows, and faculty physicians in the production of podcasts and the authoring of blog posts. This process involves multiple meetings focused on topic selection, learning objective development, writing/scripting, and formatting for blog posts, and audio production for podcast episodes.

I have mentored and offered structured and ad hoc advice several colleagues that have gone on to start their own podcasts and blogs. My mentoring efforts included both content and technical support.

Joshua Belfer, MD – [Doctors are People Too](#)

Rebecca Carson, DNP, APRN, CPNP-PC/AC – [The Peds NP Podcast](#)

Jason Woods, MD – [Little Patients, Big Medicine](#)

Joseph Finney, MD – [The Pediatric EMS Podcast](#)

Jeff Hill, MD – [Taming the SRU](#) – The University of Cincinnati Emergency Medicine Blog

Rebecca Yang, MD – [The MCG Pediatric Podcast](#)

### PEMBlog – mentored articles

Carter, Bryce, How to succeed on your next Lumbar Puncture, PEMBlog, Published 8/23/16,

<https://pemcincinnati.com/blog/succeed-next-lumbar-puncture/>, Accessed 2/14/2023.

Davis, Stephanie, Unsure about sedating your patient? Ask a Child Life Specialist, PEMBlog, Published 9/14/16, <https://pemcincinnati.com/blog/unsure-sedating-patient-ask-child-life-specialist/>, Accessed 2/14/2023.

Innis, Katherine, All wrapped up: Hair tourniquet management in the ED, PEMBlog, Published 12/22/16, <https://pemcincinnati.com/blog/all-wrapped-up-hair-tourniquet-management-in-the-ed/>, Accessed 2/14/2023.

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Ferree-Chavez, Allison, Removing earrings embedded in the ear lobe, PEMBlog, Published 2/8/17, <https://pemcincinnati.com/blog/removing-earrings-embedded-in-the-ear-lobe/>, Accessed 2/14/2023.

Jeffreys, Kristen, Cath or bag? Bag then cath? Urine testing options in the ED, PEMBlog, Published 3/3/17, <https://pemcincinnati.com/blog/two-step-urinalysis/>, Accessed 2/14/2023.

Rochford, Laura, Ultrasound assisted lumbar puncture in children, PEMBlog, Published 4/19/17, <https://pemcincinnati.com/blog/ultrasound-assisted-lumbar-puncture-in-children/>, Accessed 2/14/2023.

Dean, Preston, Community acquired pneumonia: Labs, PEMBlog, Published 6/6/17, <https://pemcincinnati.com/blog/community-acquired-pneumonia-labs/>, Accessed 2/14/2023.

Daniels, Liz, Thoughts from the bedside on antibiotics and I&D for abscesses, PEMBlog, Published 8/29/17, <https://pemcincinnati.com/blog/thoughts-from-the-bedside-on-antibiotics-and-id-for-abscesses/>, Accessed 2/14/2023.

Endres, Ashley, How to Replace a Dislodged or Malfunctioning G-tube, PEMBlog, Published 1/16/18, <https://pemcincinnati.com/blog/g-tube/>, Accessed 2/14/2023.

Gray, James, Should we be prescribing probiotics for gastroenteritis?, PEMBlog, Published 12/13/18, <https://pemcincinnati.com/blog/should-we-be-prescribing-probiotics-for-gastroenteritis/>, Accessed 2/14/2023.

Gray, James, Should I really have admitted that kid with anaphylaxis?, PEMBlog, Published 2/19/19, <https://pemcincinnati.com/blog/should-i-really-have-admitted-that-kid-with-anaphylaxis/>, Accessed 2/14/2023.

Cramer, Natan, Facts on the Ground: Meningitis and Encephalitis are rare in complex febrile seizures without worrisome symptoms, PEMBlog, Published 4/10/19, <https://pemcincinnati.com/blog/facts-on-the-ground-meningitis-and-encephalitis-are-rare-in-complex-febrile-seizures-without-worrisome-symptoms/>, Accessed 2/14/2023.

Cramer, Natan, Facts on the Ground: Do IVs placed by ultrasound last longer?, PEMBlog, Published 4/24/19, <https://pemcincinnati.com/blog/facts-on-the-ground-do-ivs-placed-by-ultrasound-last-longer/>, Accessed 2/14/2023.

Cramer, Natan, Facts on the Ground: Does specific gravity impact diagnosis of UTIs?, PEMBlog,

Published 5/8/19, <https://pemcincinnati.com/blog/facts-on-the-ground-does-specific-gravity-impact-diagnosis-of-utis/>, Accessed 2/14/2023.

Cramer, Natan, Facts on the Ground: Does Optic Nerve Ultrasound Reliably Predict Ventriculoperitoneal Shunt Failure?, PEMBlog, Published 5/24/19, <https://pemcincinnati.com/blog/optic-nerve-ultrasound-shuntmalfunction/>, Accessed 2/14/2023.

Cramer, Natan, Facts on the Ground: Do radiographic features of community acquired pneumonia align with clinical findings and labs?, PEMBlog, Published 6/7/19, <https://pemcincinnati.com/blog/facts-on-the-ground-do-radiographic-features-of-community-acquired-pneumonia-align-with-clinical-findings-and-labs/>, Accessed 2/14/2023.

Rixe, Nancy, Facts on the Ground: Take a step back and review step by step, PEMBlog, Published 6/19/19, <https://pemcincinnati.com/blog/facts-on-the-ground-take-a-step-back-to-review-step-by-step/>, Accessed 2/14/2023.

Odame, Jodie, Playing the Field: A Review of Local Anesthetic Infiltration Technique, PEMBlog, Published 7/18/19, <https://pemcincinnati.com/blog/playing-the-field-a-review-of-local-anesthetic-infiltration-technique/>, Accessed 2/14/2023.

Cramer, Natan, Facts on the Ground: Do all pediatric syncope patients need an EKG?, PEMBlog, Published 8/14/19, <https://pemcincinnati.com/blog/facts-on-the-ground-do-all-pediatric-syncope-patients-need-an-ekg/>, Accessed 2/14/2023.

Landzberg, Elizabeth, Facts on the Ground: What attributes do effective disaster responders possess?, PEMBlog, Published 9/4/19, <https://pemcincinnati.com/blog/facts-on-the-ground-what-attributes-do-effective-disaster-responders-possess/>, Accessed 2/14/2023.

Finkel, Leah, Hypertension in the Pediatric Emergency Department, PEMBlog, Published 9/12/19, <https://pemcincinnati.com/blog/hypertension-in-the-pediatric-emergency-department/>, Accessed 2/14/2023.

Cramer, Natan, Facts on the Ground: Normal saline or lactated ringer's and mortality in pediatric sepsis, PEMBlog, Published 9/25/19, <https://pemcincinnati.com/blog/facts-on-the-ground-normal-saline-or-lactated-ringers-and-mortality-in-pediatric-sepsis/>, Accessed 2/14/2023.

Cafferty, Rachel, EmergiQuiz: Congenital Syphilis, PEMBlog, Published 10/26/19, <https://pemcincinnati.com/blog/emergiquiz-congenital-syphilis/>, Accessed 2/14/2023.

Hooft, Anneka, EmergiQuiz: Acute abdominal pain - beyond the basics, PEMBlog, Published 10/26/19, <https://pemcincinnati.com/blog/emergiquiz-acute-abdominal-pain-beyond-the-basics/>, Accessed 2/14/2023.

Lott, Baillie, EmergiQuiz: Cut the (hyper)tension, PEMBlog, Published 10/26/19, <https://pemcincinnati.com/blog/emergiquiz-cut-the-hypertension/>, Accessed 2/14/2023.

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Ren, Dennis, Fracture Fridays: Pelvic Avulsion Fractures, PEMBlog, Published 12/3/21, <https://pemcincinnati.com/blog/fracture-fridays-pelvic-avulsion-fractures/>, Accessed 2/14/2023.

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Pfarr, M, Stroke in Adults, PEM Currents: The Pediatric Emergency Medicine Podcast, Published, 4/22/20, <http://www.pemcincinnati.com/podcasts/?p=700>, Accessed 2/14/2023.

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Mazor, S, Toxicology Season 1 Episode 3: Acetaminophen, PEM Currents: The Pediatric Emergency Medicine Podcast, Published, 10/6/20, <http://www.pemcincinnati.com/podcasts/?p=778>, Accessed 2/14/2023.

Mazor, S, Toxicology Season 1 Episode 4: Salicylates, PEM Currents: The Pediatric Emergency Medicine Podcast, Published, 10/13/20, <http://www.pemcincinnati.com/podcasts/?p=784>, Accessed 2/14/2023.

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Mazor, S, Toxicology Season 2 Episode 2: Marijuana, PEM Currents: The Pediatric Emergency Medicine Podcast, Published, 3/9/21, <http://www.pemcincinnati.com/podcasts/?p=825>, Accessed 2/14/2023.

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Finney, J, Drowning, PEM Currents: The Pediatric Emergency Medicine Podcast, Published, 5/12/21, <http://www.pemcincinnati.com/podcasts/?p=847>, Accessed 2/14/2023.

Ireson, E, Curtis, E, Magnet Ingestions, PEM Currents: The Pediatric Emergency Medicine Podcast, Published, 5/19/21, <http://www.pemcincinnati.com/podcasts/?p=849>, Accessed 2/14/2023.

Stanton, B, Concussions, PEM Currents: The Pediatric Emergency Medicine Podcast, Published, 9/1/21, <https://www.pemcincinnati.com/podcasts/?p=893>, Accessed 2/14/2023.

Ireson, E, Firearm Safety, PEM Currents: The Pediatric Emergency Medicine Podcast, Published, 10/27/21, <http://www.pemcincinnati.com/podcasts/?p=908>, Accessed 2/14/2023.

Gupta, K. Intussusception, PEM Currents: The Pediatric Emergency Medicine Podcast, Published, 2/11/22, <https://www.pemcincinnati.com/podcasts/?p=960>, Accessed 2/11/22.

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## **Curriculum Development and Educational Materials**

### **EMSC Innovation and Improvement Center Podcast Series**

In 2022 I coordinated and participated in the development of a podcast series/season focused on the management of pain in children. Instead of setting up a podcast feed for the EMSC I coordinated a curriculum that included episodes from five podcasters (including me). This entailed developing learning objectives, navigating EMSC regulations, staging the release of episodes, and promoting the content via social media. The episodes are all hosted on the individual podcasters' websites – and collated on the EMSC IIC site at the [PEAK: Pain Podcast Series page](#). This effort is the first of its kind in our field and merges the reach and content expertise of the EMSC IIC with the voice and passion of individual content creators.

### **Pediatric Education and Advocacy Kit: Pain Podcast Series Episodes**

The PEAK: Pain podcast series focuses on different aspects of assessing, managing, and supporting the pediatric patient in pain. This series was coproduced by the Emergency Medical Services for Children Innovation and Improvement Center (EICC) in collaboration with Dr. Brad Sobolewski ([PEM Currents Podcast](#)), Dr. Julia Magaña and Dr. Sarah Medeiros ([EM Pulse Podcast](#)), Dr. Joelle Donofrio-Odmann and Dr. Joseph Finney ([The Pediatric EMS Podcast](#)), Dr. Bryan Allen and Dr. Sean Fox ([EM Guidewire](#)), and Dr. Mike Patrick, Dr. DJ Scherzer, and child life specialist, Courtney Hall ([PediaCast CME Podcast](#)).

1. [The Pediatric EMS Podcast: Ouch-less Pediatrics](#)
2. [EM Pulse: Please Don't Hurt Me!](#)

3. [PEM Currents: The Pediatric Emergency Medicine Podcast: Pain management for laceration repair in children](#)
4. [EM Guidewire: Pediatric Pain Management - EMSC Improvement Project](#)
5. [PediaCast CME: Pediatric Pain... from the Family Perspective](#)

### **AAP Section on Emergency Medicine virtual education sessions**

As a committee member and now chair, I have planned and hosted several online education sessions focused on a variety of educational topics sponsored by the AAP Section on Emergency Medicine. The virtual format is attended by Pediatric Emergency Medicine physicians and features panels, and presentations with audience interaction and discussion. I have been the host for these events and coordinate recruitment of presenters and engage with the audience through the chat and live discussion via the Zoom platform.

1. Virtual education at the AAP NCE, and beyond - November 16, 2020  
<https://vimeo.com/482893153>
2. Tele-Simulation - February 25, 2021  
<https://vimeo.com/516874562/f9f669b209>
3. Diversity and Equity in Pediatric Emergency Medicine Education – November 17, 2021  
<https://vimeo.com/647967587/e73c0282e5>
4. Digital Scholarship, Academic Promotion, and Professional Development - May 4, 2022  
<https://vimeo.com/710409517>
5. Educational Leadership & Professional Development - November 30, 2022  
<https://vimeo.com/804351246>

### **Emergency Department Rotation Curriculum and Evaluations**

During my tenure as the Emergency Department Rotation Director (2012-2018) I iterated upon and improved our curriculum for residents at Cincinnati Children's. The Emergency Department rotation at Cincinnati Children's is unique in that it combines bedside teaching with faculty and fellows, thrice monthly protected time for didactic and simulation-based education, and a robust online curriculum, consisting of a blog, videos, and podcasts. Residents can stay apprised of updates to the online components by subscribing to the websites, or by following on Twitter @PEMTweets or Facebook.

#### **Bimonthly Friday Morning Education Sessions**

One-half of our educational sessions feature three faculty/fellow physicians giving traditional, yet interactive didactic presentations. The other half consist of small group resident only high-fidelity sims (which I facilitated) and procedure skills stations. Up to 20-25 residents attend each session and the content is guided by the American Board of Pediatrics content specifications for Emergency Medicine as well as resident feedback.

#### **Medical Video Review**

Residents attend our monthly Emergency Medicine Divisional conference lead by members of the Medical Resuscitation Committee. We review a recent video from the Shock Trauma Suite and discuss specific treatment and diagnostic considerations for critically ill patients in the ED.

#### **Emergency Department Rotation Evaluations**

We developed an online evaluation for the more than 250 trainees that rotate through the Emergency Department to capture shift-based evaluations by their attendings and fellows. It features a customized Qualtrics survey optimized for mobile devices and after initial deployment in 2013 has been maintained with an eye towards ongoing improvement

initiatives designed to increase and maintain faculty evaluation complete rates. The data we have amassed has helped us identify areas for improvement in dozens of residents in a manner that our previous processes couldn't achieve. In 2019 we added Entrustable Professional Activities focused on common diseases seen in the ED to the evaluation and continue to improve and refine the formative data that we give to our residents.

## **Presentations**

### **National and International Plenaries**

PEMPix 2022

AAP National Conference and Exhibition, Section on Emergency Medicine Program  
October 8, 2022 – Anaheim, CA

Sharing new knowledge requires new methods: Research dissemination in the digital world  
Plenary, Pediatric Emergency Medicine Fellows Conference, Columbus, OH  
April 4, 2022

PEMPix 2021

AAP National Conference and Exhibition, Section on Emergency Medicine Program  
October 9, 2021

<https://vimeo.com/609983236>

FOAM Road Trip

AAP National Conference and Exhibition, Section on Emergency Medicine Program  
October 9, 2021

<https://vimeo.com/613538852/99c785aa2a>

PEMPix 2020

Online, AAP National Conference and Exhibition  
September-October 2020

Alternate realities: Fixing a broken system to care for kids

Plenary, Don't Forget the Bubbles: Live and Connected

<https://vimeo.com/508944638>

August 26, 2020

Adventures in FOAM

Plenary, Pediatric Emergency Medicine Fellows Conference - Denver, CO  
February 16, 2020

PEMPix - 2019

Plenary, AAP National Conference and Exhibition – New Orleans, LA  
October 26, 2019

PEMPix - 2018

Plenary, AAP National Conference and Exhibition – Orlando, FL  
November 3, 2018

PEMPix - 2017

Plenary, AAP National Conference and Exhibition – Chicago, IL  
September 16, 2017

Perils of professionalism in the digital age: version 2.0  
Plenary, Pediatric Emergency Medicine Fellows National Conference – Ann Arbor, MI  
February 29, 2016

Incorporating innovative educational technology to maximize learning  
Plenary, Pediatric Emergency Medicine Fellows National Conference – Philadelphia, PA  
March 3, 2014

Perils of professionalism in the digital age  
Plenary, Pediatric Emergency Medicine Fellows National Conference - Cincinnati, OH  
March 11, 2012

## **National Workshops**

Council on Communications and Media Program: Blogs, Podcasts, Videos, and Social Media:  
Digital Content Workshop  
AAP National Conference and Exhibition  
October 8, 2022 – Anaheim, CA

Producing and sharing quality medical education videos  
Pediatric Emergency Medicine Fellows Conference 2022 – Columbus, OH

PAS 2021 – Educational Scholars Program Workshop  
Digital Presence and Scholarship  
Pediatric Academic Societies Virtual Meeting - 2021

So, you want to record a podcast?  
Pediatric Emergency Medicine Fellows Conference March 2019 – Chicago, IL

Where did you learn that? Appraisal and curation of free online educational resources  
Pediatric Emergency Medicine Fellows Conference March 2019 – Chicago, IL

Time Management and Personal Wellness = Are they related?  
Pediatric Emergency Medicine Fellows Conference February 2018 – Washington, DC

Activating Adult Learners: Getting out of the PowerPoint Rut  
Pediatric Emergency Medicine Fellows Conference February 2018 – Washington, DC

Where Did You Learn That? Appraisal and Curation of Free Online Educational Resources for  
Residents  
Association of Pediatric Program Directors Annual Spring Meeting March 2018 – Atlanta, GA

Leveraging technology to create innovative and engaging educational experiences  
Pediatric Emergency Medicine Fellows Conference April 2017 – Las Vegas, NV

Maximizing engagement of millennial learners with educational technologies  
Pediatric Academic Societies Annual Meeting May 2014 – Vancouver, BC, Canada

E-Learning 101: Best practices for developing and curating successful self-directed teaching  
modules  
Pediatric Academic Societies Annual Meeting May 2014 – Vancouver, BC, Canada



Talkin' 'bout My Generation: Maximizing Engagement of Millennial Learners with Innovative Educational Technologies

Pediatric Academic Societies Annual Meeting May 2013 – Washington, DC

eLearning 101: Creating Web-Based Self-Directed Teaching Modules

Pediatric Academic Societies Annual Meeting May 2013 – Washington, DC

Talkin' 'bout My Generation: Maximizing Engagement of Millennial Learners with Innovative Educational Technologies

2013 Regional Faculty and Health Care Educators Conference September 20, 2013 – Cincinnati, OH

### **Cincinnati Children's Grand Rounds**

Clinicopathologic Conference: Bronchial Hemangioma

Guest Discussant: Presented on respiratory distress and discussed workup and diagnosis of an unknown case

Cincinnati Children's Hospital Medical Center - Cincinnati, OH

November 17, 2015

Clinicopathologic Conference: Wegener's Granulomatosis

Case Presentation: I presented the unknown case to a guest discussant

Cincinnati Children's Hospital Medical Center - Cincinnati, OH

February 26, 2008

### **Invited Presentations**

Techniques for virtual learning – September 7, 2022

Pediatric Emergency Division at Cohen Children's Medical Center – Queens, NY

Acute Severe Asthma – September 7, 2022

Pediatric Emergency Division at Cohen Children's Medical Center – Queens, NY

Procedural Sedation

Cincinnati Children's Hospital Medicine Board Review Course – Online 2022

CincyPHM.org

Injuries and Exposures

Cincinnati Children's Hospital Medicine Board Review Course – Online 2022

CincyPHM.org

Toxicology

April 14, 2022

University of Cincinnati College of Medicine Pediatric Boot Camp Series for 4<sup>th</sup> year medical students

Free Open Access Medical Education – January 12, 2022

Cincinnati Children's Fellows Grand Rounds

Techniques for Virtual Learning

Cincinnati Children's OAACD Seminars – November 4, 2021

Toxicology

April 19, 2021

University of Cincinnati College of Medicine Pediatric Boot Camp Series for 4<sup>th</sup> year medical students

Adventures in FOAM - How we use blogs, podcasts, social media, and other analytics to disseminate knowledge – June 25, 2020

A presentation given at the Innovating Digital Medicine 2020 Conference

FOAM Club – September 19, 2019

A first of its kind presentation developed in conjunction with colleagues from the University of Michigan that taught attendees how to critically appraise blog posts and podcast episodes

The Power of #FOAM – September 13, 2019

Presented with Alex Towbin, MD from the Division of Radiology at the first annual Cincinnati Children's Digital Pediatrics Conference.

Emergency Medicine: Injuries and Exposures – September 6, 2019

Presentation to >150 attendees at the first Cincinnati Children's Hospital Medicine Board Review Conference.

Community acquired pneumonia – Cincinnati Children's Hospital Medical Center – 2013

Pediatric Resident Advocacy and Injury Prevention course: Media Violence & Online Safety - Recurring since 2008

Interdivisional Research in Progress: Predictors of mental health follow up among adolescents with suicidal ideation after emergency department discharge - September 21, 2010

Non-Accidental Trauma in Children: Evaluation, Diagnosis, and Management - March 26, 2009 - Trauma Surgery Conference

University of Cincinnati Trauma & Critical Care Surgery Division

### **Pediatric Resident Noon Conferences – Cincinnati Children's**

Presented to 100-150 attendees across multiple levels of training. Division of Emergency Medicine Pediatric Noon Conference topics focus on big-picture, high yield issues encountered in the Pediatric Emergency Department.

Common joint reductions – January 4, 2023

Consenting for procedural sedation & Splinting workshop – January 5, 2022

Common Joint Reductions – May 10, 2021

SVT – June 2018

CSF Shunt Complications – November 2017

Altered Mental Status – August 16, 2017, December 10, 2014, and March 7, 2012

Code Conference – Multiple, 2015 - present

Appendicitis - November 3, 2010

Appendicitis (Chairman's Rounds) - September 22, 2006

### **Cincinnati Children's Medical Resuscitation Committee's Medical Video Review**

Medical Video Review is presented multiple times a year by members of the Medical Resuscitation Committee of the Division of Pediatric Emergency Medicine at Cincinnati Children's. A physician and nurse review recent cases of critically ill patients seen in the resuscitation area of the Emergency

Department. The format is didactic and interactive. Attendees include faculty and fellows from the Division of Emergency Medicine at Cincinnati Children's as well as residents, nurses, pharmacists, respiratory therapists, and other personnel that participate in the care of critically ill patients in the ED.

Acute Severe Asthma – August 23, 2022  
Cardiogenic Shock & MIS-C – April 27, 2021  
Anemia – September 22, 2020  
SVT – May 23, 2019  
DKA and Respiratory Failure – July 24, 2018  
Bradycardia and Hypothermia – July 25, 2017  
Upper GI Bleed – May 26, 2015  
DKA – November 25, 2014  
Take a deep breath: Non-invasive respiratory support in the ED – November 26, 2013  
Selected topics in sepsis (Fluids, Lactate and Procalcitonin) – May 28, 2013  
Pressing Matters - September 25, 2012  
Shunt Malfunctions - February 28, 2012

### **Cincinnati Children's Pediatric Residency Program Morning Report**

In 2020-21 I developed and presented a series of talks in conjunction with Jimmy Rudloff, a Chief Resident and now Pediatric Emergency Medicine fellow in St. Louis, which focused on patients who return to the Emergency Department within 48 hours of their initial visit and are admitted. It was entitled "The Come Back Kids" and employed an interactive and discussion-based format over six individual presentations.

I have also presented multiple sessions using our Shock Trauma Suite video recording capabilities to highlight common concepts in resuscitation such as shock, status epilepticus, and status asthmaticus.

### **Cincinnati Children's Emergency Department Rotation Lectures**

On average I give 2-3 lectures a year to our residents during the Emergency Department rotation academic half days. The topics have been varied but all focus on practical, high-yield content. They are either presented in-person or virtually via Zoom or Teams.

### **Cincinnati Children's Division of Emergency Medicine Journal Club**

Journal Club is presented monthly by the fellows of the Division of Emergency Medicine at Cincinnati Children's. Fellows are mentored by Emergency Medicine faculty, and the topics and article selection are themed around core Evidence Based Medicine topics.

Strength in Numbers - September 9, 2010 – Ondansetron and hospital return rates  
Harm - February 11, 2010 – Topic: High Flow Nasal Cannula in bronchiolitis  
Clinical Questions - August 13, 2009 – Topic: MRSA Skin and soft tissue infections  
Clinical Questions - June 9, 2009 – Topic: Septic Shock

### **Cincinnati Children's Emergency Medicine FOAM / Digital Scholarship Series**

This quarterly conference is focused on the curation and critical appraisal of FOAM content and tasks each fellow with developing their own piece of digital scholarship.

The Fussy Infant – September 8, 2022  
Cindy Chang, MD reviewed FOAM resources focused on the fussy infant and developed and reviewed an infographic.

Podcasting en español - December 8, 2022

Gisella Valderrama, MD reviewed the current state of digital scholarship produced in Spanish, and discussed her experience in recoding a Spanish language podcast on head injuries with Carla Torres Zegarra, MD, host of Pediatras en Línea from Children's Hospital Colorado.

### **Fellows Conferences**

Presented on a recurring basis to the fellows and faculty of the Division of Emergency Medicine at Cincinnati Children's. Topics are focused on the core curriculum for Emergency Medicine fellowship training.

Case Conference: Mythbusters - February 3, 2011

Board Review: EKGs - January 6, 2011

Case Conference: Mandibular Injuries - June 3, 2010

Board Review - February 25, 2010

EBM Conference: Harm - February 4, 2010

Case Conference: Acute Scrotal Pain - September 10, 2009

EBM Conference - Clinical Questions - August 6, 2009

Fellows Board Review: Are You Smarter Than a Peds Attending? - February 4, 2009

Toxicology Conference: Skeletal Muscle Relaxants - February 4, 2009

Case Conference: Back Pain - November 5, 2008

### **University of Cincinnati Department of Emergency Medicine Grand Rounds**

Presented monthly to the Emergency Medicine Residents and Faculty.

Shunt Malfunction – April 11, 2012

Headache – August 11, 2010

Normal Childhood Development for the EM Resident – September 9, 2009

Fever of Uncertain Source: In Infants 60 Days of Age or Less – October 8, 2008

### **Chief Resident Conferences (2007-2008)**

Conferences presented to the trainees of the pediatric residency training program at Cincinnati Children's during the 2007-2008 academic year.

Firms (five presentations)

Watson's Rounds (multiple) – interactive case based conference for pediatric residents

Bringing Evidence to the Bedside Series (four lectures)

### **Professional Training and Conferences**

Cincinnati Children's Emerging Leaders Program

2012 – 2013

Fellows Teaching Workshop

June 10, 2009 - Cincinnati, OH

How to Teach Evidence-Based Clinical Practice

May 31 to June 5 - 2009 McMaster University – Hamilton, Ontario, Canada

2009 Pediatric Emergency Medicine Fellows' Conference

March 14-16 - 2009 St. Louis, MO

20th Annual Leadership Skills Training Program for the Pediatric Chief Resident  
May 20- 24 - 2007 Jacksonville, Florida

Teaching and Leading EBM: A Workshop for Teachers and Champions of Evidence-Based  
Medicine - April 22 – 25 - 2007 Duke University

## **Mentoring**

**Current Mentees** in alphabetical order

### **Maneesha Agarwal, MD**

Current Position: Assistant Professor, Division of Emergency Medicine, Children's Healthcare of Atlanta

2021 – present

Dr. Agarwal is the new Chair of PEMPix, the AAP Section on Emergency Medicine's visual diagnosis competition. I am mentoring her in taking over the competition as well as in developing a social media focused educational campaign on Instagram. I also assist her with social media dissemination of her injury prevention activities.

### **Joshua Belfer, MD**

Current Position: Pediatric Emergency Medicine Fellow, Columbia New York

2020 – present

I am one of Dr. Belfer's primary research mentors. Our work together is focused on developing a Systematic Online Academic Resource (SOAR) Review of FOAM materials in pediatric respiratory illnesses. We are collaborating with Andrew Grock, MD, Assistant Clinical Professor of Emergency Medicine from UCLA. Dr. Grock is one of the key members of the METRIQ collaborative and Academic Life in Emergency Medicine contributor, who pioneered the SOAR review process. Dr. Belfer has also recently started a podcast of his own entitled "Doctors are People Too" in which he interviews medical professionals about their careers and accomplishments.

### **Rebecca Carson, DNP, APRN, CPNP-PC/AC**

Current Position: Clinical Assistant Professor and Director of Pediatric Acute Care Online Program at Catholic University of America (Washington D.C.)

Previous Position: Nurse Practitioner, Emergency Services Cincinnati Children's

2019 – present

Rebecca is one of the first Advanced Practice nurses to develop a podcast-focused educational platform, The Peds NP podcast (<https://thepedsnp.podbean.com>). I am continuing to mentor Rebecca in the creation and promotion of her educational offerings including a national invited presentation (NAPNAP 2022) and an accepted manuscript on the creation of a podcast for asynchronous NP students. She was recently awarded the 2022 Johns Hopkins Alumni Dean's Award for outstanding nurse educator.

### **Cindy Chang, MD**

Current Position: Fellow, Division of Emergency Medicine, Cincinnati Children's

2021 – present

I am one of Dr. Chang's faculty mentors. We have worked on several projects, most notably an effort to train and assess children aged 8 to 12 years in the application of tourniquets to control hemorrhage. I have also mentored Cindy in the creation of digital scholarship (podcasts, infographics, and more), and offer regular assistance as she continues to build her educational niche in Pediatric Emergency Medicine and Emergency Medicine.

### **James Gray, MB, BCh, MEd**

Current Position: Assistant Professor, Division of Emergency Medicine, Cincinnati Children's  
Previous Position: Pediatric Emergency Medicine Fellow, Cincinnati Children's  
2018 - 2021

I was Dr. Gray's primary research mentor during PEM fellowship. Our work together included a scoping review focused on the current understanding and best practices of knowledge and research dissemination in Pediatric Emergency Medicine and Emergency Medicine using asynchronous online means. Dr. Gray has been an active member in the PECARN Dissemination Working Group and served as their website redesign champion, assisted in the development of a new PECARN study repository with Academic Life in Emergency Medicine, and a regular contributor to the EMSC Innovation & Improvement Center. He was newly elected as the co-chair of the PECARN Dissemination Working Group in February 2023. I have also mentored Dr. Gray in the creation of blog posts, podcasts and videos highlighting new research in Pediatric Emergency Medicine. An example of the content we created together, highlighting the work of Schnadower et al. in a randomized controlled trial of probiotics in gastroenteritis in children are noted below:

#### **Blog post**

[Should we be prescribing probiotics for gastroenteritis?](#)

December 13, 2018 / PEMBlog.com

#### **Podcast**

[A discussion about probiotics for gastroenteritis with David Schnadower](#)

December 12, 2018 / PEMBlog.com

#### **Video**

[A concise video synopsis of David Schnadower's study on probiotics in gastroenteritis from the New England Journal of Medicine](#)

December 17, 2018

I mentored Dr. Gray in the production and editing of these three forms of asynchronous content, as well as additional work with colleagues in the Division of Emergency Medicine at Cincinnati Children's, a cross-institutional initiative with the University of Michigan to create a conference format that teaches attendees how to assess the quality of blogs and podcasts (FOAM Club), as well as work with podcast production for the 2019 AAP National Conference and Exhibition.

#### **Peter O'Day, MD**

Current Position: Pediatric Section Chief at Columbus Regional Health in Columbus, Indiana

Previous Position: Categorical Pediatric Resident at Cincinnati Children's

2018 – 2021, 2022 – present

I provide career advice, serve as a professional reference, and offer advice on Emergency Department processes relevant to his new role.

#### **Laura Rochford, MD**

Current Position: Instructor, Division of Emergency Medicine, Colorado Children's & Director of Resuscitation

2020 - present

Dr. Rochford is one of our former Pediatric Residents and is now faculty at Children's Colorado. I am offering advice as she works to build a website for their resuscitation area akin to my longstanding efforts at Cincinnati Children's as well as a video orientation to their resuscitation area.

**Ashish Shah, MD, MEd**

Current Position: Assistant Professor, Division of Emergency Medicine, Rady Children's Hospital in San Diego

Previous Position: Pediatric Emergency Medicine Fellow, Cincinnati Children's  
2017 – present

I am a secondary mentor on Dr. Shah's project to develop a virtual reality intervention to teach the circulatory assessment to residents. I produced and edited a training video for the study. I also mentored Ashish on various types of digital scholarship, including website development, writing blog posts, and crafting an educator portfolio.

**Christiana Stark, Sarah Reel, and Katherine Knox-Concepcion**

Current Positions: Categorical Pediatric Residents, Cincinnati Children's  
2011 - present

I am mentoring these three residents in the creation and assessment of an online database that aims to connect our residents with research mentors and projects in a manner that increases accessibility and reduces barriers.

**Jason Woods, MD**

Current Position: Associate Professor, Division of Emergency Medicine, Colorado Children's  
2016 – present

I serve as a career mentor for Dr. Woods. We have regular telephone and video chat meetings and have presented multiple workshops and plenaries together, including at the AAP National Conference and Exhibition and at the annual Pediatric Emergency Medicine Fellows Conference. Jason is now an Associate Program Director for the Emergency Medicine Fellowship program at Colorado Children's and served as the Co-Chair of the PECARN Dissemination Work Group.

**Current Resident Mentees** in alphabetical order (as of 2/14/2023)

Eddy Aguilar, MD	PGY1	Pediatrics / Child Neurology
Thomas Aviles, MD	PGY3	Categorical Pediatrics
Kiran Bandi, MD	PGY3	Categorical Pediatrics
Patricia Calma, DO	PGY1	Categorical Pediatrics
Bradley Conant, MD	PGY1	Categorical Pediatrics
Alexa Dantzler, MD	PGY1	Categorical Pediatrics
Amanda Deford, MD	PGY3	Categorical Pediatrics
Leland Dunwoodie, MD	PGY1	Categorical Pediatrics
Jose Antonio Elizondo Leal, MD	PGY2	Categorical Pediatrics
Abigail Gauthier, MD	PGY2	Categorical Pediatrics
Alex Hubbard, MD	PGY2	Categorical Pediatrics
Kristen Humphrey, MD	PGY2	Categorical Pediatrics
Daniel Kadden, MD	PGY3	Categorical Pediatrics
Megan Kilian, MD	PGY1	Categorical Pediatrics
Gabrielle Latremouille, MD	PGY3	Categorical Pediatrics
Megan Lee, MD	PGY2	Categorical Pediatrics
Caroline Maguire, MD	PGY1	Categorical Pediatrics
Paul Menk, MD	PGY3	Categorical Pediatrics
Jewel Park, MD	PGY1	Categorical Pediatrics
Olivia Post, MD	PGY2	Categorical Pediatrics
Michelle Recto, MD	PGY3	Categorical Pediatrics
Abigail Rossman, MD	PGY1	Categorical Pediatrics
Thomas Sisson, MD	PGY2	Categorical Pediatrics
Ryan Sosh, MD	PGY3	Categorical Pediatrics

Katherine Stefani, DO  
 Priscilla Tang, MD  
 Sarah Taylor, MD, PhD  
 Jessica Trygier, MD  
 Tomas Vanagunas, MD, PhD  
 Cameron Wade, MD  
 Elizabeth Walton, MD  
 Daniel Whitehurst, MD

PGY2 Triple Board  
 PGY3 Categorical Pediatrics  
 PGY2 Pediatrics / Child Neurology  
 PGY3 Categorical Pediatrics  
 PGY3 Pediatrics / Genetics  
 PGY2 Pediatrics / Child Neurology  
 PGY1 Categorical Pediatrics  
 PGY2 Categorical Pediatrics

### Past Resident Mentees that have pursued careers in Pediatric Emergency Medicine

Year	First name	Last name	Position	Hospital for Fellowship Training	Location	Current Position
2015	Kirsten	Loftus	Categorical Pediatrics	Cincinnati Children's	Cincinnati, OH	Assistant Professor, Lurie Children's, Chicago, IL
2016	Jacinta	Cooper	Categorical Pediatrics & Chief Resident	University of Alabama at Birmingham	Birmingham, AL	Physician, Children's Healthcare of Atlanta, Atlanta, GA
2016	Katherine	Edmunds	Categorical Pediatrics	Cincinnati Children's	Cincinnati, OH	Assistant Professor, Emergency Medicine, Cincinnati Children's
2016	Tara	Kopp	Categorical Pediatrics	Cincinnati Children's	Cincinnati, OH	Assistant Professor, Emergency Medicine, Norton Children's, Louisville, KY
2016	Victoria	Wurster Ovalle	Categorical Pediatrics	Cincinnati Children's	Cincinnati, OH	Physician, Nemour's Children's Hospital, Orlando, FL
2017	Erin	O'Donnell	Categorical Pediatrics	The Johns Hopkins Hospital	Baltimore, MD	Assistant Professor, Emergency Medicine, Children's Wisconsin, Milwaukee, WI
2017	Laura	Rochford	Categorical Pediatrics	University of Alabama at Birmingham	Birmingham, AL	Assistant Professor, Emergency Medicine, Colorado Children's, Aurora, CO
2018	Preston	Dean	Categorical Pediatrics	Cincinnati Children's	Cincinnati, OH	Assistant Professor, Emergency Medicine, Cincinnati Children's
2019	Nancy	Clemens	Categorical Pediatrics & Chief Resident	Cincinnati Children's	Cincinnati, OH	Physician, Geisinger Medical Center, Danville, PA
2019	Bijan	Ketabchi	Categorical Pediatrics	Cincinnati Children's	Cincinnati, OH	Physician, Children's Hospital of Philadelphia, Philadelphia, PA (starting July 2023)
2019	Jennifer	Nystrom	Categorical Pediatrics	Nationwide Children's Hospital	Columbus, OH	Physician, Blank Children's Hospital, Des Moines, IA
2020	Christopher	Kovaleski	Categorical Pediatrics	Inova Children's Hospital	Fairfax, VA	Pediatric Emergency Medicine Fellow, Inova Children's, Fairfax, VA
2020	Lily	Yu	Categorical Pediatrics	Cincinnati Children's	Cincinnati, OH	Physician, Sanford Children's Hospital, Sioux Falls, SD (starting July 2023)
2021	Brandon	Kappy	Categorical Pediatrics	Children's National Medical Center	Washington, DC	Fellow, Emergency Medicine, Cincinnati Children's
2021	James	Rudloff	Categorical Pediatrics & Chief Resident	St. Louis Children's	St. Louis, MO	Fellow, St. Louis Children's, St. Louis, MO
2021	Stephen	Rineer	Categorical Pediatrics	Cincinnati Children's	Cincinnati, OH	Fellow, Emergency Medicine, Cincinnati Children's
2021	John	Petosa	Categorical Pediatrics	Vanderbilt University Medical Center	Nashville, TN	Fellow, Emergency Medicine, Vanderbilt University Medical Center
2022	Melissa	Blumberg	Categorical Pediatrics	Nemours duPont Children's Hospital	Wilmington, DE	Fellow, Emergency Medicine, Cincinnati Children's
2022	Joshua	Rice	Categorical Pediatrics	Nemours duPont Children's Hospital	Wilmington, DE	Fellow, Emergency Medicine, Cincinnati Children's
2022	Archit	Sahai	Categorical Pediatrics	Cincinnati Children's	Cincinnati, OH	Fellow, Emergency Medicine, Cincinnati Children's
2022	Lauren	Smith	Categorical Pediatrics	Seattle Children's Hospital	Seattle, WA	Fellow, Emergency Medicine, Cincinnati Children's
2022	Shelby	Tanguay	Triple Board	Colorado Children's Hospital	Aurora, CO	Fellow, Emergency Medicine, Cincinnati Children's
2023	Thomas	Menk	Categorical Pediatrics	Children's Healthcare of Atlanta	Atlanta, GA	Fellow, Emergency Medicine Children's Healthcare of Atlanta, Atlanta, GA (starting July 2023)
2023	Sara	Touzinsky	Categorical Pediatrics	Nationwide Children's Hospital	Columbus, OH	Fellow, Emergency Medicine, Nationwide Children's Hospital, Columbus, OH (starting July 2023)
2023	Deawodi	Ladzekpo	Categorical Pediatrics & Chief Resident	Cincinnati Children's	Cincinnati, OH	Fellow, Emergency Medicine, Cincinnati Children's (starting July 2023)
2023	Liz	Lendrum	Categorical Pediatrics & Chief Resident	Cincinnati Children's	Cincinnati, OH	Fellow, Emergency Medicine, Cincinnati Children's (starting July 2023)

### Full list of resident mentees in my role as Assistant/Associate Program Director

[Link to spreadsheet](#)



**Other Past Mentees** in alphabetical order

**Jay Conhaim, MD**

Current Position: Pediatric Anesthesiologist, Cincinnati, OH

Previous Position: Categorical Pediatric Resident Cincinnati Children's  
2014 – 2017

I was Dr. Conhaim's faculty advisor during residency. Following training at Cincinnati Children's he matched in the Anesthesiology program at the University of Cincinnati School of Medicine.

**Tara Kopp, MD**

Current Position: Assistant Professor, Division of Emergency Medicine Norton Children's, Louisville, KY

Previous Positions: Pediatric Emergency Medicine Fellow, and Categorical Pediatric Resident, Cincinnati Children's  
2013-2019

I served as Dr. Kopp's faculty advisor during residency, assisting her in acquiring research mentors and in successfully matching in the Emergency Medicine fellowship at Cincinnati Children's. I served as an advisor throughout fellowship as she selected academic projects, pursued masters training, and ultimately weighted career options. I wrote letters of recommendation and will continue to serve as an academic reference.

**Chris Kovaleski**

Current Position: Clinical Fellow, Division of Emergency Medicine, Children's Hospital of the King's Daughters, Norfolk, VA.

Previous Positions: Clinical Staff Physician, Division of Emergency Medicine and Categorical Pediatrics Resident Cincinnati Children's  
2016 - 2019

I served as Dr. Kovaleski's faculty advisor during residency and authored letters of recommendation in support of his application to Pediatric Emergency Medicine fellowships.

**Kirsten Loftus, MD**

Current Position: Assistant Professor, Division of Emergency Medicine, Lurie Children's Hospital of Chicago

Previous Positions: Pediatric Emergency Medicine Fellow, and Categorical Pediatric Resident, Cincinnati Children's  
2012 – 2020

I served as both Dr. Loftus' faculty advisor during residency and her primary research mentor during fellowship. Our project is a large, descriptive analysis of the cumulative clinical experiences of Emergency Medicine residents in the ED at Cincinnati Children's. Our manuscript has been published. Kirsten is now director of the Emergency Department rotation for residents at Lurie Children's Hospital in Chicago. I recently advised her on the implementation of a process to introduce residents to endotracheal intubation in their resuscitation area.

**Daphne Morrison-Ponce, MD**

Previous Position: Pediatric Emergency Medicine Fellow, The University of Michigan  
2018 – 2020

I mentored Dr. Morrison-Ponce during the development of a novel conference format that teaches attendees how to assess the quality of blogs and podcasts (FOAM Club) when she was a PEM fellow at the University of Michigan. Our collaboration resulted in a publication in Academic Emergency Medicine Education and Training as well as the online resource FOAM-

Club.com.

## **Aarti Patel, MD**

Current Position: Assistant Professor, Division of Hospital Medicine, Rady Children's Hospital Sand Diego, CA

Previous Position: Hospital Medicine Fellow, Cincinnati Children's  
2015-2018

I mentored Dr. Patel in the development of the PEToolkit.com website, an online resource used to teach residents the physical exam during Hospital Medicine Rounds. Our work was published in Academic Pediatrics and Pediatric Quality and Safety. Dr. Patel is currently faculty in San Diego.

## **Service**

### **Professional Organizations**

2017 – present	Association of Pediatric Program Directors
2010 – present	American Academy of Pediatrics: Section on Emergency Medicine
2004 – present	American Academy of Pediatrics
2004 – present	Ohio Chapter: American Academy of Pediatrics

### **Committees**

2022 – present	Cincinnati Children's Institutional Annual Program Evaluation Review Committee
2019 – present	AAP Pediatric Emergency Medicine Landscape (formerly PREP-EM & PEM Trends) Planning Committee <a href="https://shop.aap.org/pediatric-emergency-medicine-pem-landscape-course-series/">https://shop.aap.org/pediatric-emergency-medicine-pem-landscape-course-series/</a>
2018 – present	Cincinnati Children's Alumni Association Board
2017 – present	Emergency Medical Services for Children Innovation & Improvement Center Quality Improvement Advisory Board
2014 – present	Pediatric Emergency Medicine Fellows Conference Planning Committee
2014 - 2016	Cincinnati Children's Medical Education Scholarship Team
2013 – 2016	AAP Section on Emergency Medicine Committee for the Future
2016 – present	AAP SOEM Sub-Committee on Education
2011 - present	Cincinnati Children's Division of Emergency Medicine - Medical Resuscitation Committee
2009-2011/2022-present	Cincinnati Children's Graduate Medical Education Committee
2007 - 2008	Cincinnati Children's Clinical Practices Committee
2007 - 2008	Cincinnati Children's Safe Handoff Committee
2006-2008/2011-present	Cincinnati Children's Clinical Competency Committee

### **Professional Activities**

2021 – present	Abstract Reviewer, Cincinnati Children's Boat Lectures Fellow Research Presentations
2011 - present	Cincinnati Children's in-situ Simulation Facilitator
2011 - present	Instructor, University of Cincinnati College of Medicine Emergency Medicine Clerkship, 4 <sup>th</sup> Year Medical Students
2009 - present	PALS Instructor
2009 - 2012	EMS Instructor: State of Ohio
2006 - 2008	Pediatric Residency Council

2007 - 2008 Cincinnati Children's Root Cause Analysis Participant

## Editorial Service

2007 – present Senior Editor-in-Chief, The Pocket: Cincinnati Children's Pediatric Resident Handbook

## Manuscript, Abstract and Research Protocol Review

2011 – present Divisional Scientific Review - Cincinnati Children's Emergency Medicine  
2014 - present PEMPix submission judge – AAP Section on Emergency Medicine  
2013 Abstract Reviewer – AAP/SOEM for the 2013 NCE  
2017 Poster Judge – AAP/SOEM for the 2017 NCE

## Recruitment Activities

2011 – present Cincinnati Children's Division of Emergency Medicine Faculty Candidates  
2011 - present Pediatric Residency Applicant Interviewer  
2008 - present Pediatric Emergency Medicine Fellowship Recruitment and Interviews

## Community Activities

2022 – present Yeager Baseball Youth Athletics Coach  
2019 – present Oak Hills Local School District Strategic Planning Stakeholder Team  
2019 – present Oak Hills Local School District Safety Committee  
2015 – present Oak Hills Youth Athletics Coach

## Leadership

2023 – present Vice Chair - Cincinnati Children's Alumni Association Board  
2022 – present AAP Section on Emergency Medicine Education Subcommittee Chair  
2022 – present Associate Program Director, Cincinnati Children's Pediatric Residency Training Program  
2021 – present Emergency Medical Services for Children Innovation & Improvement Center - Podcast Director  
2020 – 2023 Cincinnati Children's Alumni Association Board – Communications Chair  
2019 – present PECARN Dissemination Working Group - Co-Director of Video and Interactive Media  
2019 – present Pediatric Emergency Care Applied Research Network HOMERUN Node Dissemination Champion  
2019 – 2020 2020 Innovating Digital Medicine Conference Program Committee  
Digital Health & Innovation Session Co-Chair  
2017 – 2021 Assistant Program Director, Cincinnati Children's Pediatric Residency Training Program  
2016 – 2022 PEMPix Chair for the AAP Section on Emergency Medicine  
2011 – 2018 Cincinnati Children's Emergency Department Residency Rotation Director

## Distribution of Effort

Leadership and Management	5%	Teaching and Mentoring	20%
Clinical Activities	50%	Research and Scholarly Activities	20%
Service and Citizenship	5%		

