

Curriculum Vitae

Brad Sobolewski, MD, MEd

March 3, 2021

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
Masters 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

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

Academic Appointment

- 3/2018 – present Associate Professor of Pediatrics
Division of Pediatric Emergency Medicine
Cincinnati Children's Hospital Medical Center
University of Cincinnati School of Medicine
- 7/2011 – 3/2018 Assistant Professor of Pediatrics
Division of Pediatric Emergency Medicine
Cincinnati Children's Hospital Medical Center
University of Cincinnati School 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

Licensure 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 1/1/2022
DEA – Expires 2/28/2024
Pediatric Advanced Life Support (Instructor) – Expires 12/2021
CITI Training - Greater Cincinnati Academic and Regional Health Centers

Awards and Honors

- 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 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, a website that I design and maintain.

I have been an active participant in a working group that developed a new constipation patient care guideline in the Emergency Department at Cincinnati Children's, implemented in 2019.

Research and Scholarly Activities

The major theme of my research output has focused on technology and the assessment of trainees. My most recent scholarly activities have centered around resident assessment, partnering with Daniel Schumacher to assess Resident-Sensitive Quality Members and to explore how Clinical Competency Committees interpret resident evaluation data. Ongoing work with a recent graduate of our Emergency Medicine Fellowship promises to shed light on how we can use large sources of patient encounter data from the electronic medical record to provide meaningful data for residents regarding their practice habits and their curriculum. I am also working on a project utilizing a novel virtual reality intervention to teach the circulatory assessment to residents.

Grants and Contracts

None

Peer Reviewed Publications

1. 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
2. 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
3. Schumacher D, Martini A, **Sobolewski B**, Carraccio 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 Emergency Medicine. 2020 Nov;95(11):1726-1735. doi: 10.1097/ACM.0000000000003435.
4. Schumacher D, Holmboe E, Carraccio C, Martini A, van der Vleuten C, Basari 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
5. 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.
 6. 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
 7. 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.
 8. 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
 9. 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
 10. **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.
 11. 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.
 12. 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.
 13. 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.
 14. 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.

15. **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.
16. 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.
17. **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.
18. 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.
19. **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.
20. **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.

Quality Review of Publications

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.

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.

Video review 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.

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
Citation: 2017 -1

I developed an educational website (physicalexamtoolkit.com) focused on the physical exam for residents rotating through the inpatient Hospital Medicine teams. We also gathered usage and experiential data and used our experience to offer advice on the design of educational websites.

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
Citations: None as of 2/9/18

Following the development of a trainee-focused educational website (physicalexamtoolkit.com) focused on the physical exam we assessed the impact of our intervention on the Hospital Medicine Service.

Zackoff MW, DeBlasio D., **Sobolewski B**. and Klein M. Implementation of point-of-care tools for assessment of teaching. *Med Educ*, 2016. 50: 1169. doi:10.1111/medu.13183
PMID: 27761997
Citations: None as of 2/9/18

This paper is a description of our efforts to use a customized website to evaluate resident teaching at the point-of-care. I designed and coded the website and participated in the development of the evaluations. The web address is RATC.pemcincinnati.com.

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
Citations: None as of 2/9/18

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 pemcincinnati.com/orientation. This study was also my Masters 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
Citations: 2014 – 1 / 2015 – 5 / 2016 – 7 / 2017 - 3

A multi-site Solomon four group design whereby we randomized residents working in the ED to access to online educational modules. Module use improved post test scores in those

randomized to the intervention, and ultimately we noted that web-based asynchronous e-learning potentially has the ability to standardize education among multiple institutions with common curricula, especially in the ED – a rotation that is far from standardized. Through participation in this study I was exposed to new methodology, and met new colleagues and friends that I continue to work with.

In Press

Lipshaw MJ, Zamor R, Carson R, Mallon D, **Sobolewski B**, Vukovic A, Kurowski E. Evidence-Based Standardization of Constipation in the ED. Pediatric Quality and Safety. 2021. Accepted for publication

Books

1. Shah A, **Sobolewski B**, Mittiga, M. Chapter 14: Pediatrics. The Atlas of Emergency Medicine, 5th Edition. McGraw Hill, 2020.
2. **Sobolewski B**. Emergency Medicine Section: Med Study Pediatrics Core Curriculum, 8th Edition. The Med Study Corporation, 2017.
3. **Sobolewski B**, Mittiga, M, Gonzalez del Rey, J. Chapter 14: Pediatrics. The Atlas of Emergency Medicine, 4th Edition. McGraw Hill, 2016.
4. **Sobolewski B**. Emergency Medicine Section: Med Study Pediatrics Core Curriculum, 7th Edition. The Med Study Corporation, 2015.
5. **Sobolewski B**, Grupp-Phelan, J, Marino, B. Chapter 20: The Critically Ill and Injured Child. Blueprints Pediatrics, 6th Edition. Lippincott Williams & Wilkins, 2013

Others

1. **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>
2. **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/>
3. **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/>
4. **Sobolewski B**. Social media, technology create new frontier in medical education. AAP News 2015; 36:34.PMID: N/A.
5. Senior Editor in Chief - The Pocket 2007-08 to 2019-20 editions
6. Pediatric Resident handbook at Cincinnati Children's Hospital Medical Center

Abstracts

1. 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

2. 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.
3. 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**
4. 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.
5. 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
6. 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.
7. 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.**
8. 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.**
9. 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.
10. Poster Presentation – 2010 American Academy of Pediatrics National Conference and Exhibition: San Francisco, CA (National)
And
11. 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.
12. 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.

Websites

I have personally designed, and maintain multiple websites using the WordPress platform. Individual statistics and details are available upon request.

PEMBlog.com	Pediatric Emergency Medicine educational blog
PEMPix.com	Online home of the AAP Section on Emergency Medicine's annual visual diagnosis competition
PediatricBoardReviewVideos.com	Online Board Review Series for Pediatric Residents at Cincinnati Children's
PEMFellowsConference.com	Landing page for the annual Pediatric Emergency Medicine Fellows Conference
MRC.PEMCincinnati.com	Online resource for Shock Trauma Suite algorithms
Trauma.PEMCincinnati.com	Online resource for Cincinnati Children's Hospital Medical Center Trauma Algorithms and Protocols
PEMCincinnati.com/podcasts	Pediatric Emergency Medicine podcast
PEToolkit (physicalexamtoolkit.com)	Hospital Medicine based resource for teaching the physical exam during rounds
Evaluations.PEMCincinnati.com	Resource for resident evaluations for the ED Rotation
PEMcincinnati.com/Orientation	Online orientation to the Emergency Department rotation for residents at Cincinnati Children's.
RATC.PEMCincinnati.com	Evaluation platform for the Residents as Teachers Curriculum
PECC.PEMCincinnati.com	Primary Care Rotation Evaluation Portal

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.

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.

PEMBlog

A Pediatric Emergency Medicine educational website that I started in August 2012. Since then there have been more than 650 posts and the site has been viewed 750,000 times. I have readers from multiple health professions in dozens of countries with >600 email subscribers and >2,800 readers that follow via social media channels.

I have also mentored numerous residents and fellows in the creation of digital content. One of my most widely read posts was authored by former Cincinnati Children's resident Allison Ferree-Chavez, focusing on the removal of embedded earrings in the ear lobe (pemcincinnati.com/blog/removing-earrings-embedded-in-the-ear-lobe/). I am also working with Natan Cramer, Pediatric Emergency Medicine Fellow in Pittsburgh, on a regular PEMBlog article series called "Facts on the Ground" that features concise reviews of key articles in the literature (pemcincinnati.com/blog/category/facts-on-the-ground/).

PEM Currents: The Pediatric Emergency Medicine Podcast

My Pediatric Emergency Medicine podcast featuring brief, focused teaching on key topics in Pediatric Emergency Medicine. It has been widely cited on educational websites and was named best Pediatric Emergency Medicine podcast in Academic Emergency Medicine. In 2019 I began offering Continuing Medical Education for select episodes through Cincinnati Children's. Listeners can subscribe to PEM Currents via Apple Podcasts, Google Play, Spotify, Stitcher radio, and a number of other services, as well as listen to any episode streaming on PEMBlog.com.

Videos

My self-produced and edited educational videos are hosted on Vimeo (www.vimeo.com/pemcincinnati) and YouTube. They include both brief didactic presentations and procedural instruction. I have also produced instructional videos for the evaluation of residents at Cincinnati Children's and an online orientation to the ED rotation.

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.

Curriculum Development and Educational Materials

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 in order 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.

Presentations

National and International Plenaries

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

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

Workshops presented at national and regional conferences have focused on the use and integration of technology in education.

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

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.

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.

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 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

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)

Mentoring

Joshua Belfer

Add info

James Gray

Third year fellow, Division of Emergency Medicine, Cincinnati Children's
2018 - present

I am Dr. Gray's primary research mentor. Our work together includes the ongoing development of 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. 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
pencincinnati.com/blog/should-we-be-prescribing-probiotics-for-gastroenteritis/

Podcast

A discussion about probiotics for gastroenteritis with David Schnadower
December 12, 2018 / PEMBlog.com
pencincinnati.com/blog/noprobiotics/

Video

A concise video synopsis of David Schnadower's study on probiotics in gastroenteritis from the New England Journal of Medicine
December 17, 2018
pencincinnati.com/blog/a-concise-video-synopsis-of-david-schnadowers-study-on-

probiotics-in-gastroenteritis-from-the-new-england-journal-of-medicine/

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.

Daphne Morrison-Ponce

Third year fellow, Pediatric Emergency Medicine, The University of Michigan
2018 – present

I am working with Dr. Morrison-Ponce on the development of a novel conference format that teaches attendees how to assess the quality of blogs and podcasts (FOAM Club).

Nancy Clemens

Second year fellow, Division of Emergency Medicine, Cincinnati Children's
2018 - present

Ashish Shah

Former fellow, Division of Emergency Medicine, 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.

Jason Woods

Assistant Professor, Division of Emergency Medicine, Colorado Children's
2016 – present

I serve as a mentor for Dr. Woods. We have regular telephone and video chat meetings and have presented multiple workshops together at the annual Pediatric Emergency Medicine Fellows Conference.

Kirsten Loftus

Assistant Professor, Division of Emergency Medicine, Lurie Children's Hospital of Chicago
Former resident and Emergency Medicine fellow, Cincinnati Children's
2012 – present

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 is nearing completion.

Chris Kovalski

Clinical Staff Physician, Division of Emergency Medicine, Cincinnati Children's
2016 - 2019

I served as Dr. Kovalski's faculty advisor during residency.

Tara Kopp

Assistant Professor, Norton Children's, Louisville, KY
Former resident and Emergency Medicine fellow, 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.

Aarti Patel

Former fellow in Hospital Medicine at Cincinnati Children's

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.

Jay Conhaim

Resident in Anesthesiology, University of Cincinnati

Former 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.

Service and Leadership

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

Leadership and Management

2017 – present	Assistant Program Director, Cincinnati Children's Pediatric Residency Training Program
2019 – present	PECARN Dissemination Working Group Co-Director of Video and Interactive Media
2019 – 2020	2020 Innovating Digital Medicine Conference Program Committee Digital Health & Innovation Session Co-Chair
2019 – present	AAP PEM Trends (formerly PREP-EM) Planning Committee
2018 – present	Cincinnati Children's Alumni Association Board
2017 – present	Emergency Medical Services for Children Innovation & Improvement Center Quality Improvement Advisory Board
2016 – present	AAP SOEM Education Steering Committee
2016 – present	PEMPix Chair for the AAP Section on Emergency Medicine
2014 – present	Pediatric Emergency Medicine Fellows Conference Planning Committee
2011 – 2018	Cincinnati Children's Emergency Department Residency Rotation Director
2013 – 2016	AAP Section on Emergency Medicine Committee for the Future

Committees

2006-2008/2011-present	Cincinnati Children's Clinical Competency Committee
2011 – present	Cincinnati Children's Division of Emergency Medicine Medical Resuscitation Committee
2014 - 2016	Cincinnati Children's Medical Education Scholarship Team

2013 – 2016	AAP Section on Emergency Medicine Committee for the Future
2016 – present	PEMPix Chair for the AAP Section on Emergency Medicine
2016 – 2018	AAP SOEM Sub-Committee on Education
2009 - 2011	Cincinnati Children’s Graduate Medical Education Committee
2007 - 2008	Cincinnati Children’s Clinical Practices Committee
2007 - 2008	Cincinnati Children’s Safe Handoff Committee

Professional Activities

2011 - present	Cincinnati Children’s in-situ Simulation Facilitator
2011 - present	Instructor, University of Cincinnati College of Medicine Emergency Medicine Clerkship, 4 th 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
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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

2019 – present	Oak Hills Local School District Strategic Planning Stakeholder Team
2019 – present	Oak Hills Local School District Safety Committee
2015 – 2018	Oak Hills Youth Athletics Coach

Distribution of Effort

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

I have reviewed the curriculum vita for completeness and accuracy and agree with its contents

