

CURRICULUM VITAE

ELSA ERIKA FERNANDES CONSTANTINE, MD

PERSONAL

Business Address:

Division of Pediatric Emergency Medicine
Department of Emergency Medicine
Rhode Island Hospital
Claverick 244
593 Eddy Street
Providence, Rhode Island, 02903
Telephone: 401-444-6680
Fax: 401-444-2583
Email: Erika_Constantine@brown.edu

EDUCATION

- 1992-1994 International Baccalaureate Diploma and Diploma of Collegial Studies
Graduated with Honors
Champlain Regional College
St. Lambert, Quebec, Canada
- 1994-1999 MDCM
McGill University
Montreal, Quebec, Canada

POST-GRADUATE TRAINING

- 1999-2003 Pediatrics Residency (Royal College Specialty Certification)
British Columbia Children's Hospital
University of British Columbia
Vancouver, British Columbia, Canada
- 2003-2006 Pediatric Emergency Medicine Fellowship
Rhode Island Hospital/Hasbro Children's Hospital
Brown Medical School
Providence, Rhode Island, USA
- 2012-2013 Longitudinal Emergency Ultrasound Training
Division of Emergency Ultrasound
Rhode Island Hospital
Brown Medical School
Providence, Rhode Island, USA

HONORS AND AWARDS

- 2000 **Best Junior Resident Presentation**
Awarded the prize for best junior resident presentation at the 8th annual UBC Pediatrics Research Day
- 2016 **Dean's Excellence in Teaching Award**
Awarded for outstanding service to medical education and achievement of excellence in clinical teaching
- Department of Emergency Medicine Innovation in Teaching Award**
Awarded for demonstrating innovative and effective new approaches to emergency medicine education
- Pediatric Emergency Medicine Medical Student Educator of the Year**
Awarded for excellence in medical student bedside education
- 2019 **Best Prospective Research Award**
Academy of Emergency Ultrasound Research Awards
Dessie A, Steele DW, Liu A, Amanullah S, **Constantine E**. "Point-of-Care Ultrasound assessment of bladder fullness for girls awaiting radiology-performed transabdominal pelvic ultrasound in a pediatric emergency department: A randomized controlled trial."
- Best Prospective Research Award Nomination**
Academy of Emergency Ultrasound Research Awards
Leviter J, Steele DW, **Constantine E**, Linakis JG, Amanullah S. "Full stomach" despite the wait: Point-of-Care gastric ultrasound at the time of procedural sedation in the Pediatric Emergency Department."
- 2020 **Rising Faculty Star Award**
Awarded by Brown Emergency Medicine to recognize a faculty member who has emerged over the past year as a leader in their field, exemplifying excellence and dedication and having gone "above and beyond" for Brown Emergency Medicine.
- 2021 **SAEM Award for Teaching Excellence**
In recognition of outstanding contributions to academic emergency medicine.
- Franaszek Exemplary Educator Award**
Awarded to faculty that exemplify the highest standards and quality as a medical educator and has made a substantial impact in emergency medicine education at all levels.

- 2022 **Excellence in Education Innovation Award**
Awarded for outstanding commitment to educational programming advancement and/or innovative curricular development.

INTERNATIONAL COMMITTEE POSITIONS

- 2019-2021 **Education Chair, P2 Network**
Elected by P2 Network Members to coordinate educational efforts in pediatric point-of-care ultrasound
- 2020-present **Director, P2 Network Pediatric Point-of-Care Global Health Interest Group**
Leading the launch of a multi-national group of POCUS enthusiasts with a common interest in pediatric global health

PROFESSIONAL LICENSURES AND BOARD CERTIFICATIONS

- 1999 PALS Provider certification (recertified 2017)
- 2002 Board certified, Pediatrics, American Board of Pediatrics (recertified 2014)
- 2003 Board certified, Pediatrics, Royal College of Physicians and Surgeons of Canada
- 2003-present Rhode Island medical licence #MD11349
- 2006 Board certified, Pediatric Emergency Medicine, American Board of Pediatrics (recertified 2016)
- 2011 PALS Instructor certification
- 2023 PALS certification

ACADEMIC APPOINTMENTS

- 2003-2006 Teaching Fellow, Brown Medical School, Providence, Rhode Island.
- 2007-2015 Clinical Assistant Professor of Emergency Medicine and Pediatrics, Alpert Medical School of Brown University, Providence, RI.
- 2015-2017 Assistant Professor of Emergency Medicine and Pediatrics (Clinical), Alpert Medical School of Brown University, Providence, RI

2017-present	Associate Professor of Emergency Medicine and Pediatrics (Clinical), Alpert Medical School of Brown University, Providence, RI
2023	Professor of Emergency Medicine and Pediatrics (Clinical), Alpert Medical School of Brown University, Providence, RI

HOSPITAL APPOINTMENTS

2004-2006	Fast Track Physician, Hasbro Children's Hospital, Providence, RI
2005-2006	Pediatric House Officer, Landmark Medical Center, Woonsocket, RI
2006-present	Pediatric Emergency Medicine Attending, Hasbro Children's Hospital, Providence, RI (1.0 FTE, 21 hours/week clinical, 5 hours/week ultrasound related activities, 19 hours/week total non-clinical time)

DEPARTMENTAL LEADERSHIP APPOINTMENTS

2014-present	Director of Pediatric Emergency Ultrasound Hasbro Children's Hospital, Providence, RI
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HOSPITAL AND UNIVERSITY CURRICULUM DEVELOPMENT

2014-present	Pediatric Emergency Medicine Fellow Ultrasound Curriculum Developed a point-of-care ultrasound curriculum for PEM fellows and actively manage their ultrasound education during fellowship
2018-2020	Ultrasound University for Pediatric Emergency Medicine Attendings Developed a point-of-care ultrasound curriculum for PEM attendings at Hasbro Children's Hospital and run weekly educational sessions with the aim to improve competency in core POCUS applications
2020-present	Advanced Point-of-Care Ultrasound Faculty Development Curriculum Developed a point-of-care ultrasound curriculum for PEM attendings wishing to pursue fellowship-level ultrasound training with the goal of creating new core ultrasound faculty within the division of Pediatric Emergency Medicine

HOSPITAL AND UNIVERSITY COMMITTEES

2018-present	Emergency Medicine Grand Rounds Planning Committee Alpert Medical School of Brown University Department of Emergency Medicine
2020-present	Alpert Medical School of Brown University Medical Admissions Committee Elected position, by Brown University Medical Faculty
2021	Pediatric Emergency Medicine Faculty Search Committee Appointed position, by Pediatric Emergency Medicine leadership
2021-2022	Hasbro Children's Hospital Throughput Redesign Task Force Active member of a committee designed to improve patient flow through the pediatric emergency department during the health care crisis created in part by the COVID-19 pandemic.

OTHER APPOINTMENTS

2001-2003	ICU Transport Actively managed critically ill children needing transport from peripheral hospitals to BC Children's Hospital
2003 - 2004	ICU Transport Actively managed critically ill children needing transport from peripheral hospitals to Hasbro Children's Hospital
2003 - 2005	Healing the Children Northeast Supervised the medical care of children undergoing plastic surgery during medical missions to Cartagena, Colombia

MEMBERSHIP IN PROFESSIONAL SOCIETIES

1999-2007	Member, Canadian Pediatric Society
2001-2006	Member, American Academy of Pediatrics
2013-2023	Member, Society for Academic Emergency Medicine
2013-2023	Member, Society for Academic Emergency Medicine Academy of Emergency Ultrasound (AEUS)

2014-present	Member, P2 (PEM POCUS) Network, a collaboration of pediatric emergency ultrasound leaders from major pediatric centers worldwide
2015-2016	SonoGames 2016 Organizational Committee, Academy of Emergency Ultrasound, SAEM
2017-present	Member, American Academy of Pediatrics
2017-2022	Member, Massachusetts Chapter of the American Academy of Pediatrics
2017-present	Member, Section of Emergency Medicine, American Academy of Pediatrics
2023	Society of Clinical Ultrasound Fellowships Annual Conference Pediatric Content Planning Committee

PEER-REVIEWED PUBLICATIONS

1. **Fernandes E**, McCrindle B. Diagnosis and Treatment of Hypertension in Children and Adolescents. Canadian Journal of Cardiology. 2000; 16(6):801-11.
2. **Constantine E**, Linakis JG. The assessment and management of hypertensive emergencies and urgencies in children. Pediatric Emergency Care. 2005, 21(6): 391-396.
3. **Constantine E**, Steele DW, Eberson C, Boutis K, Amanullah S, Linakis JG. The Use of Local Anesthetic Techniques for Closed Forearm Fracture Reduction in Children: A Survey of Academic Pediatric Emergency Departments. Pediatric Emergency Care. 2007, 23(4): 209-211.
4. **Constantine E**, Merritt C. Hypertensive emergencies in Children: Identification and management of dangerously high blood pressure. Minerva Pediatrica. 2009, 61(2):175-84.
5. Boutis K, **Constantine E**, Schuh S, Pecaric M, Stephens D, Narayanan UG. Pediatric emergency physician opinions on ankle radiograph clinical decision rules. Academic Emergency Medicine. 2010, 17(7): 709-717.
6. **Constantine E**, Tsze DT, Machan JT, Eberson CP, Linakis JL, Steele DW. Evaluating the hematoma block as an adjunct to procedural

- sedation for closed reduction of distal forearm fractures. Pediatric Emergency Care. 2014 Jul;30(7):474-8.
7. Boutis K, Howard A, **Constantine E**, Cuomo A, Somji Z, Narayanan U. Evidence into practice: Pediatric orthopedic surgeon use of removable splints for common pediatric fractures. Pediatric Emergency Care. 2014 Jul;30(7):462-8.
 8. Dessie A, **Constantine E**. Neonate with a swollen thigh. Annals of Emergency Medicine. 2016 Nov;68(5):e87-e88.
 9. Dessie A, Steele DW, Liu A, Amanullah S, **Constantine E**. Point-of-Care Ultrasound assessment of bladder fullness for girls awaiting radiology-performed transabdominal pelvic ultrasound in a pediatric emergency department: A randomized controlled trial. Annals of Emergency Medicine. 2018 Nov;72(5):571-580.
 10. Leviter J, Steele DW, **Constantine E**, Linakis JG, Amanullah S. “Full stomach” despite the wait: Point-of-Care gastric ultrasound at the time of procedural sedation in the Pediatric Emergency Department. Academic Emergency Medicine 2019 Jul;26(7):752-760.
 11. Shefrin AE, Warkentine F, **Constantine E**, Toney A, Uya A, Doniger SJ, Sivitz AB, Horowitz R, Kessler D. Critical Objectives for Pediatric Emergency Medicine Fellowship Point-of-Care Ultrasound Curriculum. AEM E&T. 2019 Mar 14;3(3):251-258.
 12. **Constantine E**, Levine M, Abo A, Arroyo A, Ng L, Kwan C, Baird J, Shefrin AE. Core Content for Pediatric Emergency Medicine Ultrasound Fellowship Training: A Modified Delphi Consensus Study. AEM E&T. 2019 Jul 12; 4(2): 130-138.
 13. Leviter J, **Constantine E**. More Than Just Teenage Angst? Clinical Pediatric Emergency Medicine. 2019 Dec; 20(4) E-pub.
 14. Leviter J, **Constantine E**. Point-of-Care Ultrasound for Undifferentiated Abdominal Pain in a Pediatric Patient: A proposed Algorithm. Pediatric Emergency Care. 2020 Sep; 36(9):446-451.
 15. Binder ZW, Murphy KM, **Constantine E**. Ultrasound-Guided Nerve Block to Facilitate Foreign Body Removal in a School-Aged Child. Global Pediatric Health. 2020 Glob Pediatr Health. 2020 Aug 24;7:2333794X20947982.
 16. Alade KH, Marin JR, **Constantine E** et al. Development of a Novel Pediatric Point-of-Care Ultrasound Question Bank Using a Modified

Delphi Process. Academic Emergency Medicine Education and Training. 2021 Aug 1;5(4):e10651.

17. Kwan C, Weerdenburg K, Pusic M, **Constantine E**, Chen A, Rempell R, Herman J, Boutis K. Learning Pediatric Point-of-Care Ultrasound: How Many Cases does Mastery of Image Interpretation Take? Pediatric Emergency Care. 2022 Feb 1;38(2):e849-e855.
18. Kornblith AE, Addo N, Plasencia M, **Constantine E**. et al. Development of an Expert Consensus Definition for Complete, High-Quality, and Accurate Pediatric Focused Assessment with Sonography for Trauma. Jama Network Open. 2022 Mar 1;5(3):e222922.
19. Quinn VR, Luks FI, **Constantine E**. Infected Urachal Cyst Masquerading as Acute Appendicitis on Point-of-Care Ultrasound. Clin Pract Cases in Emerg Med 2022 May;6(2):186-188.
20. Lipner K, Padilla G, **Constantine E**. Point-of-Care Ultrasound Outperforms Computed Tomography by Revealing an Unexpected Cause of Pediatric Abdominal Pain. JACEP Open, October 2022; 3(5):12815.
21. Snelling PJ, Shefrin AE, Moake MM, Bergmann KR, **Constantine E** et al. Establishing the International Research Priorities for Pediatric Emergency Medicine Point-of-Care Ultrasound: A Modified Delphi Study. AEM, November 2022; 29(11):1338-1346.
22. Levine MC, Lin T, Baird J, **Constantine E**. The Gender Landscape of Pediatric Emergency Medicine : An observational study of leadership positions as described by fellowship programs' online presence. Pediatric Emergency Care, 2023 June 1;39(6): 418-422.

OTHER PEER-REVIEWED PUBLICATIONS

1. **Constantine E**. "Protecting children from firearms injuries requires research: Without it our politicians are legislating blindly" In: The Forum, Newsletter of the Massachusetts Chapter of the American Academy of Pediatrics, Summer 2018:19(3).

BOOK CHAPTERS

1. Linakis JG, **Constantine E**. Hypertension. In: G Fleisher & S Ludwig (Eds): Textbook of Pediatric Emergency Medicine, 5th Edition. Baltimore, Lippincott Williams & Wilkins, 2005.

2. **Constantine E.** Hypertension. In: G Fleisher & S Ludwig (Eds): Textbook of Pediatric Emergency Medicine, 6th Edition. Baltimore, Lippincott Williams & Wilkins, 2010.
3. **Constantine E, Merritt C.** Hypertension. In: G Fleisher & S Ludwig (Eds): Textbook of Pediatric Emergency Medicine, 7th Edition. Baltimore, Lippincott Williams & Wilkins, 2016.

SCHOLARLY WORK PUBLISHED IN OTHER MEDIA

1. “Brown Sound: Pyloric Stenosis”
December 2015. Faculty Reviewer
<https://blogs.brown.edu/emergency-medicine-residency/eus-pyloric-stenosis-early-pregnancy-serratus-plane-block/>
2. “Brown Sound: POCUS FOCUS: Lung Ultrasound for Pneumonia”
January 2016. Faculty Reviewer
<https://blogs.brown.edu/emergency-medicine-residency/pocus-focus-lung-ultrasound-for-pneumonia/>
3. “Brown Sound: Keep your eye on the target: POCUS for Intussusception”
July 2016. Faculty Reviewer
<http://brownemblog.com/blog-1/2016/7/7/keep-your-eye-on-the-target-pocus-for-intussusception>
4. “A Fast diagnosis”
January 2017. Faculty Reviewer
<http://brownemblog.com/blog-1/2017/1/16/a-fast-diagnosis>
5. “POCUS for Appendicitis”
March 2017. Faculty Reviewer
<http://brownemblog.com/blog-1/2017/3/3/pocus-for-appendicitis>
6. “The To-and-Fro of Gentle (Sound) Waves: POCUS for SBO”
September 2018. Faculty Reviewer
<http://brownemblog.com/blog-1/2018/9/11/title-natasha-gill-ultrasound-blogpost>
7. “Brown Sound: What is that hot potato voice? POCUS for the PTA”
May 2019. Faculty Reviewer
<http://brownemblog.com/blog-1/2019/4/24/ptaultrasound>
8. “Brown Sound: A bowel inside a bowel: Intussusception”

September 2019. Faculty Reviewer

<http://brownemblog.com/blog-1/2019/9/16/intussusception>

ABSTRACTS

1. Lockhart GR, **Constantine E**, Helfrich S, Livingston B, Rocholl C, Lewander WJ. Impact of a splinting workshop on pediatric residents' recognition and management of orthopedic injuries. PAS 2005: 57: 1698.
2. **Constantine E**, Steele DW, Eberson CP, Amanullah S, Linakis JG. Local Anesthetic Techniques for Closed Forearm Fracture Reduction in Children: Variations in Practice Among Academic Pediatric Emergency Departments. PAS 2006: 59:106
3. **Constantine E**, Tsze D, Steele DW, Eberson CP, Machan J, Linakis JG. Hematoma Blocks in Forearm Fractures: An Effective Adjunct to Procedural sedation? PAS 2009: 2814.123.
4. Boutis K, **Constantine E**, Pecaric M, Narayanan U. Barriers to the Use of the Low Risk Ankle Rule in the US and Canada. PAS and SAEM 2009: 3884.468.
5. Dessie A, Steele DW, Liu A, Amanullah S, **Constantine E**. Point-of-Care Ultrasound Assessment of Bladder Fullness Decreases Time to Successful Radiology-Performed Transabdominal Pelvic ultrasound. PAS 2017: 2760.1.
6. Shefrin AE, Warkentine F, **Constantine E**, Toney A, Uya A, Doniger SJ, Sivitz AB, Horowitz R, Kessler D. Critical Objectives for Pediatric Emergency Medicine Fellowship Point-of-Care Ultrasound Curriculum. CAEP 2017.
7. Leviter J, Steele DW, **Constantine E**, Linakis JG, Amanullah S. Point-of-Care Gastric Ultrasound at the Time of Procedural Sedation in the Pediatric Emergency Department: Often "Full Stomach" Despite the Wait. PAS 2018.
8. Alade KH, Marin JR, **Constantine E**, Farrell S, Horowitz R, Hsu D, Kwan C, Ng L, Uya A, Lewiss RE. Development of a Pediatric Point-of-Care Question Bank using a Modified Delphi Process. SAEM 2019.
9. Kwok M, Dessie A, Mills A, Sivitz AB, Elkhunovich M, Nti B, **Constantine E**, Bergmann K, Toney A, Dayan P, Kessler D.

Sonographic Puyart Staging to Differentiate Complicated and Uncomplicated Appendicitis. PAS 2020.

10. Martindale J, Meyer J, Lipner K, Amanullah S, Steele DW, **Constantine E**. Old Dogs New Sticks: A Novel Approach to Teaching Provider Ultrasound-Guided Line Placements in the Pediatric Emergency Department. SAEM New England Regional Meeting 2023, PAS 2023.

PLATFORM PRESENTATIONS

1. Leviter J, Steele DW, **Constantine E**, Linakis JG, Amanullah S. Point-of-Care Gastric Ultrasound at the Time of Procedural Sedation in the Pediatric Emergency Department: Often “Full Stomach” Despite the Wait. Society for Pediatric Sedation Annual Conference 2018.
2. Martindale J, Meyer J, Lipner K, Amanullah S, Steele DW, **Constantine E**. Old Dogs New Sticks: A Novel Approach to Teaching Provider Ultrasound-Guided Line Placements in the Pediatric Emergency Department. SAEM New England Regional Meeting 2023.

INVITED PRESENTATIONS

Regional

1. **Constantine, E**. “What’s Best for Mixed Bundles? Where Pediatric Trauma Patients are Best Managed”. Kiwanis Trauma Management Seminar, Providence, RI, November 2007.
2. **Constantine, E**. “The FAST Exam”. Pediatric Emergency Medicine and Critical Care Fellows’ Regional Ultrasound Workshop, Providence, RI, September 2015.
3. **Constantine, E**. “Soft Tissue Ultrasound and Intravenous Access”. Pediatric Emergency Medicine and Critical Care Fellows’ Regional Ultrasound Workshop, Providence, RI, September 2015.
4. **Constantine, E**. “Point of Care Ultrasound of the Pediatric Abdomen”. Boston Medical Center Academic Day, Boston, MA, February 2016.

5. **Constantine, E.** “Lung Ultrasound”. Pediatric Emergency Medicine and Critical Care Fellows’ Regional Ultrasound Workshop, Providence, RI, September 2016.
6. **Constantine, E.** “Soft Tissue Ultrasound and Intravenous Access”. Pediatric Emergency Medicine and Critical Care Fellows’ Regional Ultrasound Workshop, Providence, RI, September 2016.
7. **Constantine, E.** “Inside Out: Ultrasound in the Emergency Department”. North Attleboro Middle School Heritage Day, June 1st, 2018.
8. **Constantine, E.** “Pediatric Abdominal Ultrasound”. Boston Medical Center Ultrasound Track Academic Day, June 13th, 2018.
9. **Constantine, E.** “POCUS in the 21st Century: Where We Are, Where We’re Going”. Pediatric Grand Rounds, Geisel School of Medicine at Dartmouth, Lebanon, NH. January 30th, 2019.
10. **Constantine, E.** “Ultrasound for the Win: Great Cases from the Pediatric ED”. Emergency Medicine Academic Day, Geisel School of Medicine at Dartmouth, Lebanon, NH. January 30th, 2019.
11. **Constantine, E.** “POCUS in the 21st Century: Where We Are, Where We’re Going”. Pediatric Grand Rounds, Alpert Medical School of Brown University, Providence, RI. October 4th, 2019.
12. **Constantine, E.** “POCUS in the 21st Century: Where We Are, Where We’re Going”. Women and Infants Grand Rounds, Alpert Medical School of Brown University, Providence, RI. January 8th, 2020.
13. **Constantine, E.** “Introduction to Point-of-Care Ultrasound”. Women and Infants Neonatology Rounds, Alpert Medical School of Brown University, Providence, RI. July 15th, 2020.
14. **Constantine, E.** “Ultrasound-Guided Procedures”. Women and Infants Neonatology Rounds, Alpert Medical School of Brown University, Providence, RI. July 15th, 2020.
15. **Constantine, E.** “Sharing POCUS Awesomeness”. Northeast Point-of-Care Ultrasound Educational Collaborative, Live Webcast June 17th, 2020.
16. **Constantine, E.** “POCUS in the 21st Century: Where We Are, Where We Are Going”. Pediatric Grand Rounds, UMass Memorial Children’s Medical Center, Live Webcast February 12th, 2021.

17. **Constantine, E.** “Point-of-Care Ultrasound of the Pediatric Abdomen”, Boston Medical Center POCUS Academic Day, January 5th, 2022.
18. **Constantine, E.** “Alone on the Island: Starting a New POCUS Program”, Columbia University POCUS Grand Rounds, April 14th, 2022.

National

1. **Constantine, E.** “The Brittle Truth”. Ultrasound case presentation, Pediatric Academic Society Special Interest Group, San Diego, CA, April 2015.
2. **Constantine, E.** “PEM POCUS Fellowship Curriculum: A P2 Network Delphi Study”. P2 Network Annual Meeting, San Francisco, CA, May 2017.
3. **Constantine, E.** “Ultrasound Now and the Future: Maintaining and Building your Ultrasound Skills”. American Academy of Pediatrics National Conference and Exhibition, Chicago, IL, September 18th, 2017.
4. **Constantine, E.** “Cardiac Ultrasound”. Pediatric Emergency Medicine and Critical Care Ultrasound Workshop, Providence, RI, October 3rd, 2017.
5. **Constantine E, Shefrin A.** “Credentialing, Certification and Competency Oh My! Hot Topics in POCUS Education”. P2 Network Annual Meeting, Toronto, ON, Canada, May 4th, 2018.
6. **Constantine, E.** “PEM POCUS Fellowship Curriculum: P2Network Delphi Study Update”. P2 Network Annual Meeting, Toronto, ON, Canada, May 4th, 2018.
7. **Constantine, E.** “Great Cases from the Pediatric ED”. Yale New England Ultrasound Course, Newport, RI, September 7th, 2018.
8. **Constantine, E.** “Focused Assessment for Abdominal Free Fluid”. Ultrasound Course, Harvard Global Health Institute, October 29th, 2018.
9. **Constantine, E.** “Ultrasound Guided Procedures”. Pediatric Emergency Medicine, General Pediatrics, Neonatology and Critical Care Medicine: Bedside Ultrasound Course. Children’s Hospital of Philadelphia, Philadelphia, PA, June 2nd, 2019.

10. **Constantine, E.** “Great Cases from the Pediatric ED”. Yale New England Ultrasound Course, Newport, RI, September 6th, 2019.
11. **Constantine, E.** “What’s Next? Building and Maintaining your Ultrasound Skills”. AAP NCE 2019 Advanced Point-of-Care Ultrasound Workshop: Precision Care for the Critically Ill Child, New Orleans, LA, October 28th, 2019.
12. **Constantine, E.** “What’s Next? Building and Maintaining your Ultrasound Skills”. AAP NCE 2019 Basic Point-of Care Ultrasound Workshop: Improving the Care of Children, New Orleans, LA, October 28th, 2019.
13. **Constantine, E.** “Ultrasound Guided LP’s and Bladder Volume Assessment”. Pediatric Point of Care Ultrasound Course, Providence, RI, November 2nd, 2019.
14. **Constantine, E.** “Great Cases from the Pediatric ED”. 17th Annual Regional Ultrasound Symposium, Hosted by Mount Sinai Morningside and Mount Sinai West Department of Emergency Medicine, Live Webcast with 300 attendees, April 8th, 2020.
15. **Constantine, E.** “P2 Network Education Update”. SAEM Academy of Emergency Ultrasound Annual Meeting, Virtual Meeting May 15th, 2020.
16. **Constantine, E.** “POCUS in a Pandemic: Teaching Tools for the Sonogeek”. American Academy of Pediatrics National Conference and Exhibit Virtual Conference, October 5th, 2020.
17. **Constantine, E.** “Sharing POCUS Awesomeness: Great Cases for the Pediatric Emergency POCUS Educational Collaborative”. Virtual Meeting, October 29th, 2020.
18. **Constantine, E.** “Abdominal Pain: Top 5 Cases in 2020 from the Pediatric Emergency POCUS Educational Collaborative”. Virtual Meeting, January 7th, 2021.
19. **Constantine, E.** “Things Just Aren’t What They Seem”. Great Cases for the Pediatric Emergency POCUS Educational Collaborative. Virtual Meeting, February 25th, 2021.
20. **Constantine, E.** “The Pediatric, Point-of-Care Ultrasound, Game Changing Phenomena: Early Recognition During Serious Illness”.

Society for Academic Emergency Medicine 2021 Virtual Meeting,
May 12th, 2021.

21. Steimle M, **Constantine E**, Ekpengyong A. “You win some, you lose some: Getting subspecialty buy-in for POCUS”. P2Network Annual Meeting, New Orleans, LA, May 10th, 2022.
22. **Constantine E**. “PEM POCUS Road Trip: An Update on our Journey.” Society of Clinical Ultrasound Fellowships Annual Meeting, Madison, WI, September 14th, 2022.
23. **Constantine E**. “Just Breathe”. Pediatric Emergency POCUS Educational Collaborative, May 18th, 2023.
24. **Constantine E**. “Lung Ultrasound” (virtual lecture), Global Health Education Course, American Academy of Pediatrics, Itasca, IL, November 17th, 2023.

International

1. **Fernandes E**, Sudarshan H, Larson C. Contraceptive practices in the face of overpopulation: A case study in Karnataka, India. Invited presentation at the 8th Annual UBC Pediatrics Research Day, Vancouver, BC, 2000.
2. **Constantine, E**. “Pediatric Emergency Medicine.” Trafalgar School Career Day, Montreal, Canada, April 2014.
3. **Constantine, E**. “Point-of-Care Ultrasound: An Introduction”. British Columbia Children’s Hospital, University of British Columbia, Vancouver, Canada, January 2015. (Podcast)
4. **Constantine, E**. “Why Should I Care about Ultrasound?” British Columbia Children’s Hospital, University of British Columbia, Vancouver, Canada, January 2015.
5. **Constantine, E**. “Soft Tissue Ultrasound: Infections and Foreign Bodies”. British Columbia Children’s Hospital, University of British Columbia, Vancouver, Canada, January 2015.
6. **Constantine, E**. “Point-of-Care Ultrasound: Peripheral Intravenous Access”. British Columbia Children’s Hospital, University of British Columbia, Vancouver, Canada, January 2015.

7. **Constantine, E.** “Ultrasound Images are worth 1000 words: Teaching tools for the Sonogeek”. Alberta Children’s Hospital, University of Calgary, Calgary, Alberta, Canada, June 2017.
8. **Constantine, E.** “Education Update”. P2 Network Annual Meeting, Virtual Meeting May 12th, 2020.
9. Moake M, Klekowski N, Kusulas M, **Constantine E.** “PEM POCUS Fellowship Training: Application Trends, Problems and Solutions”. P2 Network Annual Meeting, April 27th, 2023.
10. **Constantine E.** “Global Health Update”. P2 Network Annual Meeting, April 28th, 2023.
11. Levine MC and **Constantine E.** “Leading P2 into Tomorrow: The Future of the P2 Network”. P2 Fall Webinar, November 13th, 2023.

ACCEPTED PRESENTATIONS (cancelled due to 2020 COVID-19 Pandemic)

1. **Constantine E.** The FAST Exam. Schneider Children’s Hospital of Israel, Pediatric Emergency Department POCUS Course 2020, Petach Tikvah, Israel.
2. **Constantine E.** Lung and Airways. Schneider Children’s Hospital of Israel, Pediatric Emergency Department POCUS Course 2020, Petach Tikvah, Israel.
3. Dessie A, Alade KH, **Constantine E**, Malia L, Sivitz AB. “Ditch the Xray? Top Pediatric POCUS Applications That Could Replace Plain Films”. SAEM 2020, Denver, CO.
4. Shefrin A, **Constantine E**, Gold D, Kwan C. Tips for Building Consensus in Medical Education: Lessons from Pediatric Emergency Medicine Point-of-Care Ultrasound Curriculum Consensus. SAEM 2020, Denver, CO.

LOCAL WORKSHOPS

2014 Course director, “Pediatric Emergency Medicine Point of Care Ultrasound Workshop.” Rhode Island Hospital Medical Simulation Center, Hasbro Children’s Hospital/Rhode Island Hospital, May 20th and 21st, 2014.

- Skills station teacher, “Emergency Medicine Point of Care Ultrasound Workshop.” Rhode Island Hospital, July 21st, 2014.
- 2017 Skills station teacher, “Ultrasound Know and Grow”, Rhode Island Hospital, January 21st, 2017.
- 2022 Skills station leader, “POCUS Faculty Workshop”, Rhode Island Hospital, January 7th and 27th, 2022.
- 2023 Course coordinator, “Introduction to Ultrasound-Guided Regional Anesthesia”, March 28th, 2023. Invited speaker, Dr. Zachary Binder, Assistant Professor of Pediatrics, UMass Chan Medical School.
- Skills station leader, Ocular Ultrasound, “Soundwave Symposium”, September 9th, 2023.
- Course coordinator, “Pediatric Point-of-Care Ultrasound Know and Grow”, September 26th, 2023. Course director, Dr. Almaz Dessie, Assistant Professor of Pediatrics and Emergency Medicine, Alpert Medical School of Brown University.
- Skills station leader, “Pediatric Point-of-Care Ultrasound Know and Grow”, October 26th, 2023. Course director, Dr. Almaz Dessie, Assistant Professor of Pediatrics and Emergency Medicine, Alpert Medical School of Brown University.

REGIONAL WORKSHOPS

- 2015 Course director, “Pediatric Emergency Medicine and Critical Care Fellows’ Regional Ultrasound Workshop”, Providence, RI, September 22nd, 2015.
- 2015 Skills station teacher, “Pediatric Emergency Medicine and Critical Care Fellows’ Regional Ultrasound Workshop”, Providence, RI, September 22nd, 2015.
- 2016 Course director, “Pediatric Emergency Medicine and Critical Care Fellows’ Regional Ultrasound Workshop”, Providence, RI, September 27th, 2016.

NATIONAL AND INTERNATIONAL WORKSHOPS

- 2015 Skills station teacher, “Advanced Pediatric Ultrasound Lab: Kids are not just small adults, or are they?”, ACEP Scientific Assembly, Boston, MA, October 28th, 2015.
- Course director, “Pediatric Emergency Medicine Point of Care Ultrasound Workshop.” British Columbia Children’s Hospital, Vancouver, Canada, January 29th, 2015.
- 2016 Skills station teacher, “Pediatric Emergency Medicine Ultrasound Workshop”, Advanced Pediatric Emergency Medicine Assembly, Lake Buena Vista, FL, March 7th, 2016.
- 2016 Skills station leader, “Sonogames 2016”, Society for Academic Emergency Medicine Annual Meeting, New Orleans, LA, May 13th, 2016.
- 2017 Skills station leader, “Sonofest 2017”, American Academy of Pediatrics, Chicago, IL, September 17th, 2017.
- Skills station leader, “Basic Point-of-Care Ultrasound Workshop: Improving the Care of Children”, American Academy of Pediatrics National Conference and Exhibition, Chicago, IL, September 18th, 2017.
- Course director, “Pediatric Emergency Medicine and Critical Care Ultrasound Workshop”, Providence, RI, October 3rd, 2017.
- Skills station teacher, “Pediatric Emergency Medicine and Critical Care Ultrasound Workshop”, Providence, RI, October 3rd, 2017.
- 2018 Skills Station leader, “Yale New England Ultrasound Course”, Newport, RI, September 6-7th, 2018.
- Skills Station leader, “Ultrasound Course”, Harvard Global Health Institute, Boston, MA, October 29th, 2018.
- 2018 Skills Station leader, “Sonofest 2018”, American Academy of Pediatrics, Orlando, FL, November 4th, 2018.
- Skills Station leader, “Advanced Pediatric Ultrasound Workshop: Improving the Care of Children”, American Academy of Pediatrics National Conference and Exhibition, Orlando, FL, November 5th, 2018.

- 2019 Skills Station Leader, “Pediatric Emergency Medicine, General Pediatrics, Neonatology and Critical Care Medicine: Bedside Ultrasound Course”, Children’s Hospital of Philadelphia, Philadelphia, PA, June 1st and 2nd 2019.
- Skills Station Leader, “Yale New England Ultrasound Course”, Newport, RI, September 6th, 2019.
- Skills Station Leader, “PEM Sonosurf Games”, Atlantic City, NJ, September 9th, 2019.
- Co-Director, “Basic Pediatric Point-of-Care Ultrasound Workshop: Improving the Care of Children”, New Orleans, LA, October 28th, 2019.
- Course Director, “Pediatric Point-of-Care Ultrasound Workshop”, Lifespan Medical Simulation Center, Providence, RI, November 2nd 2019.
- Skills Station Leader, “Pediatric Point-of-Care Ultrasound Workshop”, Lifespan Medical Simulation Center, Providence, RI, November 2nd 2019.
- 2020 Invited Skills Station Leader, “Schneider Children’s Hospital Pediatric Emergency Department POCUS Course”, Petach Tikvah, Israel. (Cancelled due to COVID-19 Pandemic)
- Course Co-Director, AAP Point-of-Care Ultrasound Workshop 2020, San Diego, CA. (Cancelled due to COVID-19 Pandemic)

EDITORIAL POSITIONS

- 2014-present Manuscript reviewer, *Canadian Journal of Emergency Medicine*
- 2015-present Manuscript reviewer, *Pediatric Emergency Care*
- 2015-present Reviewer, *Brown Emergency Medicine Blog*
- 2017-present Manuscript reviewer, *Canadian Medical Association Journal*
- 2020-present Manuscript reviewer, *Academic Emergency Medicine Education and Training*

RESEARCH FUNDING

- 1995 Rona and Irving Levitt Family Foundation Bursary
“Assessing the role of the cyclin D1 protooncogene in the
development of parathyroid adenomas”, \$2500.
- Role: Principal Investigator
- 1997 McGill Winter Research Bursary
“Contraceptive practices in the face of overpopulation: A case study
in Karnataka, India”, \$2000.
- Role: Principal Investigator
- 2015 UEMF Seed Grant
“PEEFREI Trail: Point-of-Care Ultrasound Expedited Evaluation for
Reproductive Emergency Imaging”, \$2500.
- Role: Co-Investigator
- 2017 UEMF Seed Grant
“Ultrasound-guided assessment of gastric volume in Pediatric
Patients”, \$1000.
- Role: Co-Investigator
- 2022 Brown Physicians Inc. Academic Assessment Grant
“Point-of-care Ultrasound in Pediatric Acute Sepsis Management”,
\$50,000.
- Role: Co-Investigator
- 2023 Brown Physicians Inc. Academic Assessment Grant
“Pediatric Point-of-Care Lung Ultrasound in Nepal”, \$12,500.
- Role: Co-Investigator
- Brown Physicians Inc. Academic Assessment Grant
“Welcome to the Block Party: Creating and Implementing a Novel
Regional Anesthesia Curriculum for Emergency Medicine”, \$12,500.
- Role: Co-Investigator

CURRENT PROJECTS

- 2023 Pediatric Lung Ultrasound Training and Randomized Controlled Trial of Ultrasound vs. Chest Xray for the Detection of Pediatric Pneumonia in Nepal
- Role: Co-Investigator, senior advisor to Dr. Alicia Genisca, PEM Faculty and advisor to Dr. Suraj Bhattarai, PhD Candidate, London School of Hygiene and Tropical Medicine and Nagasaki University
- 2023 Welcome to the Block Party: Creating and Implementing a Novel Regional Anesthesia Curriculum for Emergency Medicine.
- Role: Co-Investigator with Dr. Leland Perice, EM Faculty
- 2023 RI Soundwave Symposium
- Role: Ultrasound Faculty Advisor to Dr. John Martindale, PGY-3, Brown Emergency Medicine

UNIVERSITY TEACHING ROLES

- 2003-present Clinical Preceptor, Brown Medical School, Biomed 331B, Core Pediatrics
- Clinical Preceptor, Brown Medical School, Biomed 565, Pediatric Emergency Medicine Clerkship
- Clinical Preceptor, Brown University affiliated residencies in Pediatrics (PGY 1-3), Emergency Medicine (PGY 1-4) and Family Medicine (PGY 2)
- 2014-present Coordinator, Pediatric Emergency Medicine Fellow Ultrasound rotation
- 2014-present Pediatric Emergency Medicine Fellowship ultrasound curriculum development
- 2014-present Emergency Medicine Resident ultrasound rotation
- 2015 Coordinator, Pediatric Emergency Ultrasound medical student elective (MS-4)

2016-present	Clinical Preceptor, Kent Hospital affiliated residencies in Emergency Medicine (PGY 2-4)
2016-present	Instructor, Alpert Medical School 1 st year medical student ultrasound training sessions
2018-2020	Course director, “Ultrasound University”, longitudinal ultrasound curriculum oversight for pediatric emergency medicine attendings

LOCAL TEACHING PRESENTATIONS

2004	Constantine E , Lockhart G. “Who wants to be a millionaire? Genitourinary emergencies, dermatologic emergencies and general pediatric emergency medicine topics.” Pediatric Noon Conference, February 2004. Constantine, E. “Pediatric Cervical Spine Injuries”. Combined Pediatric Emergency Medicine and Pediatric Surgery Conference, September 2004.
2005	Constantine, E. “If you’re not careful, it’ll come back to bite you: The management of snake bites in the emergency department”. Pediatric Emergency Medicine Fellow’s Conference, September 2005. Constantine, E. “Pediatric Trauma.” Emergency Medicine Conference, October 2005.
2006	Constantine, E. “Managing pediatric fever in the well-appearing child: A review of the literature”. Pediatric Emergency Medicine Conference, March 2006.
2007	Constantine, E. “Rash decisions: Common rashes encountered in the pediatric emergency department”. Emergency Medicine Conference, October 2007.
2009	Constantine, E. “Procedural Sedation”. Pediatric Emergency Medicine Fellows’ Orientation, July 2009.
2010	Lee M, Constantine E. “Pediatric Fever”. Emergency Medicine Conference, April 2010. Merritt C, Constantine E. “Upper Extremity Injuries”. Pediatric Noon Conference, December 2010.

- 2011 **Constantine, E.** “Emergency Bedside Ultrasound: An Introduction”. Pediatric Emergency Medicine Fellows’ Conference, March 2011.
- Lieberman M, Constantine E.** “Pediatric Infectious Disease Emergencies”. Emergency Medicine Conference, May 2011.
- Constantine, E.** “Rash Decisions: Common rashes encountered in the pediatric emergency department”. Pediatric Resident Noon Conference, October 2011.
- 2012 **Constantine, E.** “Ultrasound in the Hasbro ED: An Introduction”. Pediatric Emergency Medicine Fellows’ Conference, November 2012.
- Constantine, E.** “Ultrasound in the Hasbro ED: Ultrasound Basics”. Pediatric Emergency Medicine Fellows’ Conference, December 2012.
- 2013 **Constantine, E.** “Ultrasound in the Hasbro ED: More Ultrasound Basics”. Pediatric Emergency Medicine Fellows’ Conference, January 2013.
- Constantine, E.** “The FAST Exam.” Pediatric Emergency Medicine Fellows’ Conference, February 2013.
- Constantine, E.** “Soft Tissue Infections.” Pediatric Emergency Medicine Fellows’ Conference, September 2013.
- 2014 **Constantine, E.** “Point of Care Ultrasound: The Basics.” Pediatric Emergency Medicine Ultrasound Workshop, Hasbro Children’s Hospital, May 2014.
- Constantine, E.** “Ultrasound-Guided Peripheral IV access.” Pediatric Emergency Medicine Ultrasound Workshop, Hasbro Children’s Hospital, May 2014.
- Constantine, E.** “Cardiac Ultrasound.” Emergency Medicine Ultrasound Workshop, Rhode Island Hospital, July 2014.
- Franco M, Constantine E.** “Foreign Body Ultrasound”. Ultrasound Pearl of the Week, Pediatric Emergency Medicine Fellows’ Conference Hasbro Children’s Hospital, September 2014.
- Constantine, E.** “Ultrasound in the Hasbro ED”. Pediatric Resident Education, October 2014. (Podcast)

- Constantine, E.** “Point of Care Ultrasound of the Pediatric Abdomen”. Emergency Medicine Residency Conference, November 2014.
- 2015 **Prabhu E, Constantine E.** “Lung Ultrasound”. Ultrasound Pearl of the Week, Pediatric Emergency Medicine Fellows’ Conference, Hasbro Children’s Hospital, January 2015.
- Constantine, E.** “Soft Tissue Ultrasound: Infections and Foreign Bodies”. Pediatric Morning Report, Hasbro Children’s Hospital, February 2015.
- Wing R, Constantine E.** “Ultrasound Pearl of the Week: Pneumothorax”. Pediatric Emergency Medicine Fellows’ Conference, March 2015.
- Constantine, E.** “Sonobattle Galactica 2015”. First annual emergency ultrasound resident and fellow competition, Emergency Medicine Conference, October 2015.
- 2016 **Constantine, E.** “Sonobattle Galactica 2016”. Second annual emergency ultrasound resident and fellow competition, Emergency Medicine Conference, October 2016.
- 2017 **Constantine, E.** “The FAST Exam”. Ultrasound Know and Grow Workshop, January 21st, 2017.
- Constantine, E.** “Sonobattle Galactica 2017”. Third annual emergency ultrasound resident and fellow competition, Emergency Medicine Conference, October 2017.
- Constantine, E.** “Pediatric Abdominal Ultrasound”. Emergency Medicine Conference, October 2017.
- 2018 **Constantine, E.** “Lung Ultrasound”. Emergency Medicine Conference, April 2018.
- Constantine, E.** “Great Cases from the Pediatric ED”. Emergency Medicine Conference, December 2018.
- 2019 **Constantine, E.** “Lung Ultrasound”. Emergency Medicine Resident Ultrasound Orientation Workshop, July 18th, 2019.
- Constantine, E.** “Great Cases from the Pediatric ED”. Emergency Medicine Resident Ultrasound Orientation Workshop, July 18th, 2019.

- Constantine, E.** “POCUS for Undifferentiated Abdominal Pain”. Emergency Medicine Resident Conference, December 4th, 2019.
- 2020 **Constantine, E.** “Lung Ultrasound”. Emergency Medicine Resident Ultrasound Orientation Session, Live Webinar July 20th, 2020.
- Constantine, E.** “Great Cases from the Pediatric ED”. Emergency Medicine Resident Ultrasound Orientation Session, Live Webinar July 20th, 2020.
- 2021 **Constantine, E.** “Jeopardy! Foot and Ankle Extravaganza”. Pediatric Emergency Medicine Fellows’ Conference, April 13th, 2021.
- Constantine, E.** “Pediatric Rashes”. Emergency Medicine Intern Orientation, July 14th, 2021.
- 2022 **Constantine, E.** “Cardiac and Lung Ultrasound”, Know and Grow POCUS Faculty Workshops, January 7th and 27th 2022.
- Constantine, E.** “Lung Ultrasound”, Emergency Medicine Resident Orientation, June 29th, 2022.
- Constantine, E.** “Ultrasound Guided IV Access”, Emergency Medicine Resident Orientation, June 29th, 2022.
- 2023 **Constantine, E.** “Gallbladders and Guts: POCUS Pearls and Pitfalls”. Emergency Medicine Residency Conference, January 11th, 2023.
- Constantine, E.** “Lung Ultrasound”, Emergency Medicine Resident Orientation, Jun 26th, 2023.

LOCAL LECTURE SERIES

- 2016-2017 **Constantine, E.** “Pass the Pointer Lecture Series”. Emergency Medicine Resident Conference, ultrasound image review, 5 times annually beginning September 2nd, 2016.
- 2016-Present **Constantine, E.** “Pass the Pointer Lecture Series”. Pediatric Emergency Medicine Fellows’ Conference, regular ultrasound image review beginning September 20th, 2016.

MENTORING ROLES

2014-2017	Dr. Almaz Dessie, Pediatric Emergency Medicine Fellow POCUS Track
2016-2019	Dr. Julie Leviter, Pediatric Emergency Medicine Fellow POCUS Track
2018-2019	Dr. Nehal Al-Sadhan, International Pediatric POCUS Fellowship, Saudi Arabia
2019-2020	Dr. Zachary Binder, POCUS Fellowship
2020-present	Dr. Alicia Genisca, Pediatric Emergency Medicine Attending, Faculty POCUS Track
2022-present	Dr. John Martindale, Emergency Medicine Resident, Med-Ed/POCUS interest
2022-2023	Dr. Bandar Alenaze, International Pediatric POCUS Fellowship, Saudi Arabia
2022-2023	Dr. Abdullatif Almaki, International Pediatric POCUS Fellowship, Saudi Arabia