**Curriculum Vitae**Stacie Bershak Peddy, M.D.

Associate Professor, Department of Pediatrics

Medical Director, Pediatric Cardiac Intensive Care Unit

The University of Maryland School of Medicine

**Date** March 7, 2022

**Contact Information**

Business Address: Department of Pediatrics

Division of Pediatric Critical Care Medicine

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Foreign Languages: none

**EDUCATION**

1988-1992 B.A, Biology & History, Bucknell University

1992-1994 M.A, Biology, University of Maryland

1994-1998 M.D., University of Maryland School of Medicine (Summa Cum Laude)

**Post Graduate Education and Training**

1998-1999 **Internship, Pediatrics**

The Harriet Lane Pediatric Residency Program at The Johns Hopkins School of

Medicine

1999-2001 **Residency- Pediatrics**

The Harriet Lane Pediatric Residency Program at The Johns Hopkins School of

Medicine

2001-2005 **Fellowships- Pediatric Critical Care Medicine and Cardiology**

The Children’s Center at The Johns Hopkins School of Medicine

**Board Certification**

2001 **General Pediatrics**- American Board of Pediatrics

2008 **Pediatric Cardiology**- American Board of Pediatrics

2010 **Pediatric Critical Care Medicine**- American Board of Pediatrics

**Medical Licensures**

2005 Active, Pennsylvania

2017 Inactive, New York

2021 Maryland

**EMPLOYMENT HISTORY**

**Academic Appointments**

2006-2008 **Instructor**, Department of Anesthesiology and Critical Care Medicine

Perelman School of Medicine at the University of Pennsylvania

2008-2018 **Assistant Professor**, Department of Anesthesiology and Critical Care

Medicine Perelman School of Medicine at the University of

Pennsylvania

2008-2018 **Assistant Professor**, Department of Pediatrics Perelman School of

Medicine at the University of Pennsylvania (Secondary)

2018- 2021 **Associate Professor**, Department of Anesthesiology and Critical Care

Medicine Perelman School of Medicine at the University of

Pennsylvania

2018- 2021 **Associate Professor**, Department of Pediatrics Perelman School of

Medicine at the University of Pennsylvania (Secondary)

2021-present **Associate Professor**, Department of Pediatrics, The University of Maryland

School of Medicine

**Hospital Appointments**

2008- 2021 **Director of Simulation**- The Cardiac Center at the

Children’s Hospital of Philadelphia

2016-2019 **Director of Cardiac Simulation & Education-** Mount Sinai Kravis

Children's Hospital, New York

2021-present **Medical Director**- Pediatric Cardiac Intensive Care Unit- The University Of

Maryland Children’s Hospital

**Professional Society Memberships**

2001- present General Member, American Academy of Pediatrics

2002- present General Member, American College of Cardiology

2002- present General Member, Society for Critical Care Medicine

2016- present General Member, Pediatric Cardiac Intensive Care Society

**Honors and Awards**

1997 Alpha Omega Alpha, The University of Maryland School of Medicine

1998 Lange Medical Publications Award- Outstanding Achievement as a Medical

Student, The University of Maryland School of Medicine

1998 J. Edmund Bradley Award for Excellence in Pediatrics- The University of

Maryland School of Medicine

1998 Summa Cum Laude- The University of Maryland School of Medicine

1998 American Medical Women's Association Janet M. Glascow Memorial Award

For Graduating First in the University of Maryland School of Medicine’s Class of

1998

1998 Balder Scholarship Award for Outstanding Academic Achievement-

The University of Maryland School of Medicine

2002 American Heart Association/ Wyeth-Ayerst Women in Cardiology Travel Grant

Recipient

2018 Top Cardiac Critical Care Physician Philadelphia, PA

**CLINICAL ACTIVITIES**

**Clinical Expertise**

Board certified in Pediatrics, Pediatric Critical Care Medicine and Pediatric Cardiology

Clinical Expertise in Pediatric Cardiac Critical Care

Development and implementation of a Cardiac Center Simulation Program at the Children’s Hospital of Philadelphia

**Scope of Clinical Practice**

January 2006- 2021 Cardiac Intensive Care Unit Attending- Children’s Hospital of

Philadelphia

-combined medical and surgical 32 bed unit with ~1000 admissions/

year and > 800 cardiopulmonary bypass cases/year

-average daily census is 30-34 patients (can surge above census

into the step-down unit)

-Clinical Service- 100-130 day/night shifts per year

November 2021 Pediatric Cardiac Intensive Care Unit Attending- University of Maryland

Medical Center

-combined medical and surgical cardiac unit within the 19 bed PICU~ average daily census 9 pts

- 26 weeks of clinical service per year with 24 overnight in house shifts per year (~75% FTE)

Medical Director of the Pediatric Cardiac Intensive Care Unit

Interim Director of the Pediatric Extracorporeal Membrane Oxygenator Program

**Development of Clinical Programs**

2019 **Anesthesia-CICU Communication Bedside Tool**

Co-led the development and implementation of the communication tool.

2020 **COVID-19 CODE Team Response and Configuration in the CICU**

Part of the leadership group that developed and implemented the new code team

response and configurations due to the restrictions and demands of COVID-19

**ADMINISTRATIVE SERVICE**

**Institutional Service at The Children’s Hospital Of Philadelphia**

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| 2008-2021 |  | Coordinator, Cardiac Intensive Care Unit Attending Clinical Service Schedule |
| 2015-2021 |  | Coordinator, Cardiac Critical Care Faculty Division Meeting |
| 2016-2021 |  | Member, Education Work Group- Cardiac Strategic Planning |
| 2016-2021 |  | Director, Multi-Divisional Cardiac Center Simulation Committee |
| 2019-2021 |  | Member, Cardiac Center Expansion Committee |
| 2019-2021 |  | Co-Director, Cardiac Critical Care Advanced Practice Practitioner Education Curriculum Committee |
| 2019-2021 |  | Member, Cardiac Intensive Care Unit Delirium Committee, CICU Faculty representative |
| 2019-2021 |  | Co-Director, Cardiac Intensive Care/Cardiac Anesthesia Handover Tool Committee |
| 2020-2021 |  | Member, Cardiac Center Task Force Work Stream Resource Utilization Team |

**National Service**

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| 2005-present |  | *Ad-Hoc* Reviewer, *Critical Care Medicine* |
| 2006-present |  | *Ad-Hoc* Reviewer, *Pediatrics* |
| 2006-present |  | *Ad-Hoc* Reviewer, *Pediatric Cardiology* |
| 2007-present |  | *Ad-Hoc* Reviewer, *Congenital Heart Disease* |

**Organizing role in scientific meetings**

1. Course Director, Practice Makes Perfect: Cardiac Postoperative Simulations & Mock Codes, 10th Annual Update on Pediatric Cardiovascular Disease New and Evolving Practices   
   Orlando, FL. 2007
2. Course Director, Practice Makes Perfect: Cardiac Postoperative Simulations & Mock Codes, 11th Annual Update on Pediatric Cardiovascular Disease New and Evolving Concepts and Practices Scottsdale, AZ. 2008
3. Course Director, Practice Makes Perfect: Cardiac Postoperative Simulations & Mock Codes, 12th Annual Update on Pediatric Cardiovascular Disease New and Evolving Concepts and Practices Nassau, Bahamas 2009
4. Course Director, Pre-Conference Session, CPR and Mechanical Support in Children with Congenital Heart Disease, 16th Annual Update on Pediatric and Congenital Cardiovascular Disease Orlando, FL 2012
5. Course Director, Sub-specialty Breakout Session, Simulation Session: eCPR in the Neonate with Single Ventricle, 16th Annual Update on Pediatric and Congenital Cardiovascular Disease Orlando, FL 2012
6. Chairperson, The Heart, Heart Surgery: Post-Operative ICU Course of Infant Below 2.2kg Undergoing Cardiac Surgery, 7th World Congress on Pediatric Intensive and Critical Care   
   Istanbul, Turkey 2014
7. Course Director- Successful Implementation of Cardiac Simulation- A two-day course. University of Arizona Medical Center 2016

**Local Service**

1998-2000 Board member, The McDonogh School, Owings Mills, MD

2011-2012 Board member, The Odyssey School, Lutherville, MD

**Organizing role in scientific meetings**

1. Course Director, ECLS Simulator Training, The Proceedings of the Seventh International Conference on Pediatric Mechanical Support Systems and Pediatric Cardiopulmonary Perfusion Philadelphia, PA 2011
2. Course Director and Instructor- CICU Fourth year Fellow Boot Camp, Children's Hospital of Philadelphia, Philadelphia, PA 2016
3. Course Director and Instructor- CICU Fourth year Fellow Boot Camp II, Children's Hospital of Philadelphia, Philadelphia, PA 2017
4. Course Director and Instructor- Cardiology First year Fellow Skills Session, Children's Hospital of Philadelphia, Philadelphia, PA 2018
5. Planning Committee Member- Cardiac Critical Care Joint Conference of the Children's Hospital of Philadelphia and Mt Sinai Kravis Children's Hospital   
   Philadelphia, PA 2018
6. Planning Committee Member & Instructor in Regional Advanced Cardiac Critical Care Fellows Conference Philadelphia, PA 2020

**TEACHING SERVICE**

**At the Children’s Hospital of Philadelphia and the Perelman School of Medicine at the University of Pennsylvania**

**Medical School Student Teaching**

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| 2013-present |  | Small group discussion leader in "Case Studies in Congenital Heart Disease", 7-9, 2nd year medical students, 4 hours/year |

**Resident and Fellow Teaching**

*Cardiology, critical care medicine, neonatology, anesthesiology and cardiac critical care fellows*

*Pediatric residents on elective rotation only.*

2006- 2021 Attending Physician Cardiac Intensive Care – 4-6 fellows/day, 1-2 fellows/night

100-130 day/night shifts per year

**Curriculum Development**

2008-2021 Member, Critical Care Fellowship Education Committee- Cardiac Intensive Care

Unit focus group, 2 hours/meeting, 4 meeting/year

2009-2021 Associate Fellowship Director, Pediatric Critical Care Medicine

2015-2021 Member, Cardiology Fellowship Education Committee, 2 hours/meeting, 4

meetings/year

2018-2021 Member, Cardiac Critical Care Fellowship Education Committee, 1

hour/meeting/month

2020-2021 Member, Cardiac Critical Care Fellowship Clinical Competency Committee,

1 hour/meeting/month

**Lectures, Teaching Sessions and Conferences**

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| 2006-2009 |  | "Cyanotic Congenital Heart Disease", Resident Cardiology Inpatient Service Monthly Lecture Series |
| 2007-2009 |  | "Serious Congenital Heart Disease", CICU Cardiac Day Lecture Series |
| 2007-2009 |  | "Cardiac Case Studies Using Simulation Part I, II, III", Anesthesia Resident Lecture Series |
| 2007-2021 |  | "Cardiac Case Studies Using Simulation Part I & II", Cardiology Fellow Orientation Week |
| 2007-2008 |  | "Non-Cardiac Intensive Care Issues", CICU Cardiac Day Lecture Series |
| 2007-2008 |  | "Neuro-assessment of the Cardiac Intensive Care Patient", Cardiac Day Lecture Series |
| 2007-2021 |  | "Case Studies Using Simulation", Tri-monthly Sessions in the Cardiac Intensive Care Unit |
| 2008-2021 |  | "Echocardiography for the ICU", Critical Care Medicine Fellow Educational Lecture Series |
| 2009-2021 |  | "Newborn Cardiac Imaging: Case Presentations", CICU Cardiac Day Lecture Series |
| 2009-2021 |  | "Cardiac Case Studies Using Simulation Part I & II", Neonatology Fellow Educational Lecture Series |
| 2011-2021 |  | "Case Studies Using Simulation", Monthly Sessions in the Cardiac Care Unit |
| 2011-2021 |  | "Case Studies Using Simulation", Monthly Sessions in the Cardiac Preparation and Recovery Unit |
| 2012-2021 |  | Cardiac ECMO Simulation Session for the Critical Care, Neonatology, Cardiology Fellows ECMO Course |
| 2013-2021 |  | "Low Cardiac Output Syndrome", Monthly CICU Front Line Provider Lecture |
| 2014-2021 |  | CICU Front-line provider Core Lecture Series- "Cardiopulmonary Bypass and Low Cardiac Output Syndrome" |
| 2014-2021 |  | "Case Studies Using Simulation", Quarterly Sessions for Neonatology Fellows |
| 2015-2021 |  | "VAD case studies using Simulation", CICU Cardiac Day-Transplant/VAD |
| 2016-2021 |  | "Case Studies Using Simulation", Quarterly Sessions in the Cardiac Outpatient Clinic |
| 2016-2021 |  | "Acyanotic Congenital Heart Disease", Resident Cardiology Inpatient Service Monthly Lecture Series |
| 2018-2021 |  | Cardiology Fellow Vascular Access and Airway Skills Course |
| 2018-2021 |  | "Cardiac Case Studies Using Simulation ", Anesthesia Resident Educational Lecture Series |
| 2018-2021 |  | "Heterotaxy"- Neonatology Fellow Educational Lecture Series |
| 2019-2021 |  | "Case studies in AHA guidelines on endocarditis and pulmonary hypertension”- Critical Care Medicine Fellow lecture |
| 2015-2021 |  | "The Critically Ill Newborn with Congenital heart Disease"- Neonatology Fellow Educational Lecture Series |
| 2018-2021 |  | " Respiratory Complications after Cardiothoracic Surgery " CICU 4th year Fellow Educational Lecture Series |
| 2015-2021 |  | "Pre-surgical management and stabilization of the decompensating patient with heart disease", Neonatology Fellow Lecture |
| 2018-2021 |  | "Pulmonary Atresia Intact Ventricular Septum", CICU Fellow Educational Lecture Series |
| 2020-2021 |  | "Case Studies Using Simulation in the age of COVID19 in the Cardiac Care Unit" with specific focus on PPE, personnel, team dynamics and communication |
| 2020-2021 |  | "Case Studies Using Simulation in the age of COVID19 in the Cardiac Intensive Care Unit" with specific focus on PPE, personnel, team dynamics and communication |
| 2020-2021 |  | "Cyanotic Heart Lesions- Pulmonary Stenosis and Pulmonary Atresia/Intact Ventricular Septum", Cardiac Intensive Care Unit & Cardiac Care Unit Nurse APP Educational Lecture Series |
| 2020-2021 |  | Quarterly Cardiac Case Studies using Simulation and Skills Sessions for the Cardiac Care Unit Nurse Practitioners |
| 2020-2021 |  | Cardiac Case Studies using Simulation and Skills Sessions for the Cardiac Intensive Care Unit Nurse Practitioners |

**TEACHING SERVICE**

**At the Mount Sinai Kravis Children's Hospital**

**Resident and Fellow Teaching**

*Cardiology and critical care medicine fellows*

**Lectures, Teaching Sessions and Conferences**

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| 2016-2019 |  | "Case Studies Using Simulation", Monthly Sessions in the Cardiac Intensive Care Unit |
| 2018 |  | “VAD case studies using Simulation” |

**Curriculum Development**

2016-2019 Development of a monthly teaching curriculum of cardiac case studies using high

fidelity simulation in the Cardiac ICU

**GRANT SUPPORT**

**Completed Grants**

2020-2021 **Stacie Peddy** (Co-Inv, 33%, PI- Sherri Kubis)

“Development of the CREST- Cardiac Center for Resourced Education and Simulation Training- in the Cardiac Center”

The Children's Hospital of Philadelphia-Cardiac Center Innovation Grant

Annual Direct Cost: $100,000

Total Direct Cost $100,000

**PUBLICATIONS**

**Peer reviewed journal articles**

1. Ringel RE, **Peddy SB**: Effect of high-dose spironolactone on protein-losing enteropathy in patients with Fontan palliation of complex congenital heart disease. American Journal of Cardiology 91(8): 1031-1032, 2003
2. **Peddy SB**, Rigby MR, Shaffner DH: Acute cyanide poisoning. Pediatric Critical Care Medicine 7(1): 7982, 2006
3. **Peddy SB**, Vricella LA, Crosson JE, Oswald GL, Cohn R, Cameron DE, Valle D, Loeys BL: Infantile restrictive cardiomyopathy due to a mutation in the cardiac troponin T gene. Pediatrics 117(5): 1830-1833, 2006.
4. **Peddy SB**, Hazinski MF, Laussen PC, Thiagarajan R, Hoffman GM, Nadkarni V, Tabbutt S: Cardiopulmonary resuscitation: Special considerations for infants and children with heart disease. Cardiology in the Young 17(Suppl. 2): 116-126, 2007.
5. Hunt E, Brunetti M, Nelson K, Shilkofski N, **Peddy SB**: Recognition and initial management of cardiac emergencies in children. Journal Minerva Pediatrica 61(2): 141-162, 2009
6. **Peddy SB**: Acute hypoxemia in infants with cyanotic complex cardiac anatomy: simulation cases for pediatric fellows. MedEdPortal 14(10706), 2018.

**Non-peer reviewed journal articles**

1. **Peddy SB**, McElrath-Schwartz J, Shilkofski N, Duncan JG, Crossan JE, Harris ZL: Supraventricular tachyarrhythmias in the ICU: diagnosis, definition and treatment. Contemporary Critical Care 2(4): 1-12, 2004.

**Book Chapters**

1. Lee L, Greeley WJ, **Peddy SB**: Cardiogenic Shock and Cardiovascular Pharmacology. Pediatric Critical Care: The Requisites, 1st ed. Elsevier Mosby, Page: 76-83, 2008.
2. Reed E, **Peddy SB**: Cardiovascular Assessment and Monitoring. Pediatric Critical Care: The Requisites, 1st ed. Elsevier Mosby, Page: 68-75, 2008.
3. **Peddy SB**, Brunetti M, Schwartz JM: Perioperative Critical Care of the Pediatric Cardiac Surgical Patient. The Johns Hopkins Manual of Cardiothoracic Surgery. Yuh DD, Vricella LA, Baumgartner WA (eds.). McGraw-Hill Companies, Inc, Page: 973-982, 2014.
4. Gajarski R, **Peddy SB**: Cardiac ICU Topics. Illustrated Field Guide to Congenital Heart Disease and Repair, 2nd ed. Everett AD, Lim DS (eds.). Scientific Software Solutions, Page: 287-305, 2005.
5. **Peddy SB**, Jacobs ML, Jacobs JP, Copper DS: Cardiac ICU Topics. Illustrated Field Guide to Congenital Heart Disease and Repair, 3rd ed. Everett AD, Lim DS (eds.). Scientific Software Solutions, Page: 307-337, 2011.
6. **Peddy SB**, Rosano J, Copper DS, Jacobs JP, Jacobs ML: Cardiac ICU Topics. Illustrated Field Guide to Congenital Heart Disease and Repair, 4th ed. Everett AD, Lim DS (eds.). Scientific Software Solutions, Page: 317-344, 2021.

**Abstracts and/or Proceedings**

1. **Peddy SB**, Gorman GH, Harris ZL, Hunt EA: Peri-operative extracorporeal membrane

oxygenation use in children with congenital heart disease: Impact of timing on outcome. Pediatric Cardiac Intensive Care Symposium. Miami, FL 2005

1. Gorman G, **Peddy SB**, Parik M, Fivush B, Neu A: Death and dialysis on extracorporeal membrane oxygenation. American Society of Nephrology 39th Annual Renal Week Meeting, San Diego, CA 2006.
2. Hales R, Nishisaki A, Cusick F, Hittle K, Johnson M, Gallagher C, Green M Jeong-Sook R, Goss L, Hehir D, **Peddy SB**, Nadkarni V: High-fidelity simulation technology: Improvement of self-confidence of cardiac center nurses. Presented at the Cardiology 2007 Conference, Orlando, FL 2007.
3. Bailey J, Bird G, Fuller S, **Peddy S**, Kodavatiganti R, Costarino A, Kozyak B: Acute Lung Injury Requiring High Frequency Oscillatory Ventilation Following BT Shunt Placement in an Infant with Tetralogy of Fallot Presented at the 12th Annual International Meeting of the Pediatric Cardiac Intensive Care Society December 2016.
4. Yowell M, Fuller S, Naim M, Button A, Paridon S, **Peddy S**: "A Rare Complication following Tetralogy of Fallot Repair Managed with Extracorporeal Membrane Oxygenation: Resolution of Ventricular Septal Hematoma" Presented at the 12th Annual International Meeting of the Pediatric Cardiac Intensive Care Society December 2016.

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| **Other Brief Communication and alternative media**   1. Su L and **Peddy SB**: Cardiac ECMO Simulation Scenarios. International Simulation Society/Extracorporeal Life Support Organization 2020- multi-institutional collaboration of ECMO simulation scenarios. | |
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**MAJOR INVITED PRESENTATIONS**

**Local**

1. "e-CPR in the Neonate with Single Ventricle Physiology", Pediatric Cardiovascular Nursing Conference, Philadelphia, PA 2012
2. "CICU Rounds ECLS Simulation" Instructor for the Parallel Sessions at 10th International Conference on Pediatric Mechanical Circulatory Support Systems & Pediatric Cardiopulmonary Perfusion, The Hall of Flags, University of Pennsylvania, Philadelphia, PA 2014

**National**

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1. "Practice Makes Perfect: Cardiac Postoperative Simulations & Mock Codes", Course Coordinator and Director, 1-day Pre-Symposium at 10th Annual Update on Pediatric Cardiovascular Disease, Orlando, FL 2007
2. Emergency Post-operative Extracorporeal Support of   
   Hypoplastic Left Heart Syndrome. 11th Annual Update on Pediatric Cardiovascular Disease New and Evolving Concepts and Practices, Scottsdale, AZ 2008
3. "Practice Makes Perfect: Cardiac Postoperative Simulations & Mock Codes", Course Coordinator and Director, 1 day Pre-Symposium at the 11th Annual Update on Pediatric Cardiovascular Disease New and Evolving Concepts and Practices, Scottsdale, AZ 2008
4. Cardiac Case Studies Using Simulation, Invited Lecturer, Johns Hopkins Pediatric Critical Care, Baltimore, MD 2008
5. "Implementing Simulation Into Your Clinical Practice", Pediatric Cardiology Grand Rounds and Invited Cardiac Intensive Care Lecturer, Nationwide Children's Hospital, Columbus, OH 2008
6. “Intensive Care of the Cardiac Patient”” Invited Lecturer and Preceptor at Senior Boot Camp, Peter M. Winter Institute for Simulation, Education, and Research (WISER) and Children's Hospital of Pittsburgh Simulation Center, Pittsburgh, PA 2009
7. "Cardiac Case Studies Using Simulation", Invited Lecturer, Johns Hopkins Senior Critical Care Fellow, Boot Camp, Baltimore, MD 2010
8. "ECPR-Current Strategies and Results", 16th Annual Update on Pediatric and Congenital Cardiovascular Disease, Orlando, FL 2012
9. "Cardiopulmonary resuscitation and the patient with congenital heart disease: what do we know and what do we still need to figure out?" Invited Lecturer- Pediatric Grand Rounds, The University of Maryland School of Medicine. Baltimore, MD 2015
10. “Low Cardiac Output Syndrome- Why it Happens and What We Can Do to Prevent It". Guest Lecturer for Pediatric Noon Conference, The University of Maryland School of Medicine 2015
11. "Cardiac Simulation- Case base scenarios" University of Maryland School of Medicine- Dept. of Pediatrics 2015
12. "Fixing a Broken Heart- Cardiopulmonary resuscitation and the patient with congenital heart disease" Invited Lecturer- Pediatric Grand Rounds, University of Arizona. Tucson, AZ 2016
13. "Starting a Successful Simulation Program- Learn from Our Success and Failures", Invited Lecturer-Pediatric Critical Care Medicine, University of Arizona. Tucson, AZ 2016

**International**

1. "Practice Makes Perfect: Cardiac Postoperative Simulations & Mock Codes", Course Coordinator and Director, 1-day Pre-Symposium at the 12th Annual Update on Pediatric Cardiovascular Disease New and Evolving Concepts and Practices, Nassau, Bahamas 2009
2. "From Simulation Bench to Bedside: Can We Make CPR Performance Go From "Good" to "Great?” Invited Lecturer at 7th World Congress on Pediatric Intensive and Critical Care, Istanbul, Turkey 2014
3. "Challenging Cases in Pediatric Cardiac Intensive Care", Invited Lecturer 7th World Congress on Pediatric Intensive and Critical Care, Istanbul, Turkey 2014

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