University of Pittsburgh School of Medicine
Curriculum Vitae
Richard A. Saladino, MD

BIOGRAPHICAL

Business Address:
Division of Pediatric Emergency Medicine
UPMC Children's Hospital of Pittsburgh
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Pittsburgh, PA 15224

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EDUCATION AND TRAINING

UNDERGRADUATE:

1976-1980	University of Notre Dame, Notre Dame, IN	BS, 1980 Science

GRADUATE:

1980-1981	University of Chicago, Chicago, IL Graduate studies	
1981-1985	University of Missouri School of Medicine, Columbia, MO Medicine	MD, 1985

POSTGRADUATE:

1985-1986	Children's Hospital Medical Center, Cincinnati, OH PD: Michael Farrell, MD	Intern in Pediatrics
1986-1988	Children's Hospital Medical Center, Cincinnati, OH PD: Michael Farrell, MD	Resident in Pediatrics
1988-1990	Children's Hospital, Boston, MA PD: Grace Caputo, MD	Fellow in Pediatric Emergency Medicine
2007-2015	University of Pittsburgh Medical Center Physician Leadership Academy: Advisory Board Academies	
2010	University of Notre Dame Mendoza College of Business: Executive Integral Leadership	
2017	University of Pittsburgh Advanced Faculty Leadership Academy	
2019-2024	Academic Pediatric Association Advancing Pediatric Leaders Faculty Coach Program	

APPOINTMENTS AND POSITIONS

ACADEMIC:

1988-1990	Harvard Medical School, Boston, MA	Clinical Fellow of Pediatrics
1990-1994	Harvard Medical School, Boston, MA	Instructor of Pediatrics
1994-2000	Harvard Medical School, Boston, MA	Assistant Professor of Pediatrics
2000-2001	University of Pittsburgh School of Medicine Pittsburgh, PA	Visiting Associate Professor of Pediatrics
2000-2018	University of Pittsburgh School of Medicine Department of Pediatrics	Division Director, Pediatric Emergency Medicine
2001-2011	University of Pittsburgh School of Medicine Pittsburgh, PA	Associate Professor of Pediatrics
2006-	University of Pittsburgh School of Medicine Pittsburgh, PA	Academy of Distinguished Medical Educators
2011-	University of Pittsburgh School of Medicine Pittsburgh, PA	Professor of Pediatrics
2016-2018	University of Pittsburgh School of Medicine Department of Pediatrics	Interim Division Director, Newborn Medicine
2019-2021	University of Pittsburgh School of Medicine Department of Pediatrics	Associate Vice Chair of Faculty Affairs
2021-	University of Pittsburgh School of Medicine Department of Pediatrics	Senior Associate Vice Chair of Faculty Affairs

NON-ACADEMIC:

1980-1981	University of Chicago, Chicago, IL Department of Biochemistry and Molecular Biology	Laboratory technician
1988-1989	Children's Hospital, Boston, MA	Clinical Fellow in Medicine
1989-2000	Children's Hospital, Boston, MA	Assistant in Medicine
1989-2000	Metrowest Medical Center, Framingham, MA	Assistant in Medicine
1998-2000	Winchester Hospital, Winchester, MA	Assistant in Medicine
1998-2000	Southshore Hospital, Weyland, MA	Assistant in Medicine
2000-2018	UPMC Children’s Hospital of Pittsburgh Pittsburgh, PA	Medical Director, Emergency Department

2000-	UPMC Children's Hospital of Pittsburgh Pittsburgh, PA	Active Staff Physician
2007-2009	UPMC Passavant-Cranberry Cranberry Township, PA	Chief, Community Pediatric Emergency Medicine
2019-2025	UPMC Children's Hospital of Pittsburgh	Director of Care Management and Payor Relations

CERTIFICATION AND LICENSURE

SPECIALTY CERTIFICATION:

American Board of Pediatrics	Pediatrics	1989
	Recertification	1999
American Board of Pediatrics	Pediatric Emergency Medicine #183	1992
	Recertification	1999, 2006, 2016

MEDICAL LICENSURE:

National Board of Medical Examiners	1986
Ohio State Medical Board-limited	6/1985-8/1988
Massachusetts Board of Licensure	7/1988-3/2001
Commonwealth of Pennsylvania Board of Medicine	8/2000-

OTHER CERTIFICATION:

Advanced Cardiac Life Support Provider	1987, 2003 - present
Advanced Pediatric Life Support Instructor	1989-2000
Advanced Trauma Life Support Instructor	1991-2015
• Reverification	2001, 2005, 2009, 2013
Pediatric Advanced Life Support Instructor	2000-2022
Pediatric Advanced Life Support Provider	2000-present

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

Society for Pediatric Research	1998-
American Academy of Pediatrics	2002-
Accreditation Council for Graduate Medical Education • Panel Member: Board of Appeals for Pediatric Emergency Medicine	2008-2015
American Pediatric Association	2019-

HONORS

Leadership Award, University of Missouri School of Medicine, Columbia MO	1985
Resident Teaching Award, Children's Hospital Medical Center, Cincinnati OH	1988
Top Ten Best Abstracts. International Symposium on IL-6: Physiopathology and clinical potentials, Montreux, Switzerland	1991
Best Oral Basic Science Presentation. Annual Meeting, Society of Academic Emergency Medicine. Washington, DC	1994
Anne E. Dyson Child Advocacy Award. Annual Meeting, American Academy of Pediatrics Section on Medical Students, Residents, and Fellowship Trainees. San Diego	2014
Top Ten Educators, Department of Pediatrics, University of Pittsburgh School of Medicine, Pittsburgh, PA	2026

PUBLICATIONS

1. Original Peer Reviewed Articles

2. **Saladino R**, Bachman D, Fleisher G: Arterial access in the pediatric emergency department. *Ann Emerg Med* 1990; 19:382-385. PMID: 2321823

3. Shannon M, **Saladino R**, McCarty D, Parker KM, Scott L, Brown G, Vaughn P. Clinical evaluation of an acetaminophen meter for the rapid diagnosis of acetaminophen intoxication. *Ann Emerg Med* 1990; 19:1133-1136. PMID: 2221519

4. **Saladino R**, Shannon M: Accidental and intentional poisonings with ethylene glycol in infancy: diagnostic clues and management. *Ped Emerg Care* 1991; 7:93-96. PMID: 2047315

5. **Saladino R**, Lund D, Fleisher GR: The spectrum of liver and spleen injuries in children: failure of the pediatric trauma score and clinical signs to predict isolated injuries. *Ann of Emerg Med* 1991; 20:636-640. PMID: 2039101

6. **Saladino R**, Alpert G, Baldwin G, Caputo GL, Parsonnet J, Gillis Z, Fleisher GR, Siber GR. Effect of a human immunoglobulin preparation for intravenous use in a rabbit model of meningococcal endotoxin-induced shock. *Crit Care Med* 1992; 20:816-822. PMID: 1597037

7. **Saladino R,** Erikson M, Levy N, Bachman D, Siber GR, Fleisher GR. Utility of serum Interleukin-6 for diagnosis of invasive bacterial disease in children. *Ann Emerg Med* 1992; 21:1413-1417. PMID: 1443833

8. **Saladino R**, Garcia C, Thompson C, Hammer B, Parsonnet J, Novitsky T, Siber G, Fleisher G. Efficacy of a recombinant endotoxin neutralizing protein in rabbits with *Escherichia coli* sepsis. *Circ Shock* 1994; 42:104-110. PMID: 8013061

9. Garcia CT, **Saladino R**, Thompson C, Hammer B, Parsonnet J, Novitsky T, Siber G, Fleisher G. Effect of a recombinant endotoxin neutralizing protein on endotoxin shock in rabbits. *Crit Care Med* 1994; 22:1211-1218. PMID: 8045139

10. Kuppermann N, Nelson DS, **Saladino RA**, Thompson CM, Sattler F, Novitsky TJ, Fleisher GR, Siber GR. Comparison of a recombinant endotoxin neutralizing protein with a human monoclonal antibody to endotoxin for the treatment of *Escherichia coli* sepsis in rats. *J Infect Dis* 1994; 170:630-635. PMID: 8077721

11. Kuppermann N, Inkelis S, **Saladino RA**. The role of heparin in the prevention of extremity and digit necrosis in meningococcal purpura fulminans. *Pediatr Infect Dis J* 1994; 13:867-873. PMID: 7854884

12. Nelson DS, Kuppermann N, Fleisher GR, Hammer BK, Thompson CM, Garcia CT, Novitsky TJ, Parsonnet J, Onderdonk A, Siber GR, **Saladino RA**. Recombinant endotoxin neutralizing protein improves survival from *Escherichia coli* sepsis in rats. *Crit Care Med* 1995; 23:92-98. PMID: 8001394

13. Stack AM, **Saladino RA**, Thompson C, Sattler F, Weiner D, Parsonnet J, Nariuchi H, Siber GR, Fleisher GR. Failure of prophylactic and therapeutic use of a murine anti-tumor necrosis factor in *Escherichia coli* sepsis in the rabbit. *Crit Care Med* 1995; 23:1512-1518. PMID: 7664553

14. **Saladino RA**, Stack AM, Thompson CT, Sattler F, Siber GR, Fleisher GR. High dose recombinant endotoxin neutralizing protein improves survival in rabbits with *Escherichia coli* sepsis. *Crit Care Med* 1996;24:1203-1207. PMID: 8674336

15. Weiner DL, Kuppermann N, **Saladino RA**, Thompson CM, Novitsky TJ, Siber GR, Fleisher GR. Comparison of early and late treatment with a recombinant endotoxin neutralizing protein in a rat model of *Escherichia coli* sepsis. *Crit Care Med* 1996; 24:1514-1523. PMID: 8797624

16. Stack AM, **Saladino RA**, Siber GR, Thompson CM, Marra MN, Novitsky TJ, Fleisher GR. A comparison of bactericidal/permeability increasing protein variant versus recombinant endotoxin neutralizing protein for the treatment of *Escherichia coli* sepsis in rats. *Crit Care Med* 1997; 25:101-105. PMID: 8989184

17. **Saladino RA**, Stack AM, Fleisher GR, Thompson CM, Briles DE, Kobzik L, Siber GR. Development of a model of low-inoculum *Streptococcus pneumoniae* intrapulmonary infection in infant rats. *Infect Immun* 1997; 65:4701-4704. PMID: 9353053

18. Meyers A, Sampson A, **Saladino R**, Dixit S, Adams W, Mondolfi A. Safety and effectiveness of homemade and reconstituted packet cereal-based oral rehydration solutions: a randomized clinical trial. *Pediatrics*. 1997 Nov;100(5):E3. PMID: 9346997

19. Roback MG, Stack AM, Thompson C, Brugnara C, Schwarz HP, **Saladino RA**. Activated protein C concentrate for the treatment of meningococcal endotoxin shock in rabbits. *SHOCK* 1998; 9:138-142. PMID: 9416421

20. Stack AM, Malley R, Thompson CM, Kobzik L, Siber GR, **Saladino RA**. Minimum protective serum concentrations of pneumococcal anti-capsular antibodies in infant rats. *J Infect Dis* 1998;177:986-990. PMID: 9534972

21. Malley R, Stack AM, Ferretti ML, Thompson CM, **Saladino RA**. Anti-capsular polysaccharide antibodies and nasopharyngeal colonization with *Streptococcus pneumoniae* in infant rats. *J Infect Dis* 1998; 178:878-882. PMID: 9728564

22. Solomon DK, Kurt-Jones EA, **Saladino RA**, Stack AM, Dunn IF, Finberg RW. Heterotrimeric G proteins physically associated with the lipopolysaccharide receptor CD14 modulate both in vivo and in vitro responses to lipopolysaccharide*. J Clin Invest* 1998; 102:2019-2027. PMID: 9835628

23. Stack AM, Malley R, **Saladino RA**, Montana JB, MacDonald KL, Molrine DC. Primary respiratory syncytial virus infection: pathology, immune response and evaluation of vaccine challenge strains in a new mouse model. *Vaccine* 2000 Jan 31;18(14):1412-8. PMID: 10618539

24. Malley R, Lipsitch M, Stack A, **Saladino RA**, Fleisher G, Pelton S, Thompson, Briles D, Anderson P. Intranasal immunization with killed unencapsulated whole cells prevents colonization and invasive disease by capsulated pneumoncocci. *Infect Immun* 2001 Aug;69(8):4870-3. PMID: 11447162

25. Malley R, Stack AM, Husson RN, Thompson CM, Fleisher GR, **Saladino RA**. Development of a model of focal pneumococcal pneumonia in young rats. *J Immune Based Therap Vaccines* 2004 Jan 23;2(1):2. PMID: 14741053

26. Kavanaugh ML**; Saladino RA**, Gold MA. Emergency Contraception Services for Adolescents: a National Survey of Children's Hospital Emergency Department Directors*. J Pediatr Adol Gynecology* 2009 Apr;22(2):111-9. doi: 10.1016/j.jpag.2008.04.002. PMID: 19345917

27. Antevy PM, Zuckerbraun N, **Saladino RA**, Pitetti R**.** Evaluation of a transthecal digital nerve block in the injured pediatric patient. *Pediatric Emerg Care* 2010 Mar;26(3):177-80. doi: 10.1097/PEC.0b013e3181d1dfaf. PMID: 20179662

28. Tress EE, Kochanek PM, **Saladino RA**, Manole MD. Cardiac arrest in children. *J Emerg Trauma Shock* 2010 Jul;3(3):267-72. doi: 10.4103/0974-2700.66528. PMID: 20930971

29. Thomas DG, Collins MW**, Saladino RA**, Frank V, Raab J, Zuckerbraun N. Identifying Neurocognitive Deficits in adolescents following concussion. *Acad Emerg Med* 2011 Mar;18(3):246-54. doi: 10.1111/j.1553-2712.2011.01015.x.PMID: 21401786

30. Grunwaldt L, Smith DM, Zuckerbraun NS, Naran S, Rottgers SA, Bykowski M, Kinsella C, Cray J, Vecchione L, **Saladino RA** Losee, JE**.** Pediatric facial fractures: demographics, injury patterns and associated injuries in 772 consecutive patients. *Plastic Recon Surg* 2011 Dec;128(6):1263-71. doi: 10.1097/PRS.0b013e318230c8cf. PMID: 21829142

31. Afrooz PN, Grunwaldt L, Zanoun RR, Grubbs RK, **Saladino RA**, Losee JE, Zuckerbraun NS. Pediatric facial fractures: occurrence of concussion and relationship to fracture patterns. *J Craniofacial Surg* 2012 Sep;23(5):1270-3. doi: 10.1097/SCS.0b013e31824e6447. PMID: 22976624

32. Tavarez M, **Saladino RA**, Manole MD, Gaines B. Prevalence, clinical presentation and management of magnetic foreign body ingestions in children. *J Emerg Med.* 2013 Jan;44(1):261-8. doi: 10.1016/j.jemermed.2012.03.025. Epub 2012; Jun 23. PMID:22727803

33. Indyk JI, Candido-Vitto C, Wolf IM, Venkataraman S, Munoz R, **Saladino RA**, Witchel SF, DeFranco DB. Reduced glucocorticoid receptor protein expression in children with critical illness. *Hormone Res Pediatrics* 2013; 79:169-178. PMID: 23548248

34. Sarnaik S, **Saladino RA**, Manole M, Pitetti RD, Kuch BA, Arora G, Orr RA and Felmet KA. Diastolic hypotension is an unrecognized risk factor for beta agonist-associated myocardial injury in children with asthma. *Pediatr Crit Care Med* 2013; Jul;14(6):e273-9. doi: 10.1097/PCC.0b013e31828a7677. PMID: 23823208

35. Krishnamurti L, Smith-Packard B, Gupta A, Campbell M, Gunawardena S, **Saladino R**A. Impact of individualized pain plan on the emergency management of children with sickle cell disease. *Pediatr Blood Cancer.* 2014 Oct;61(10):1747-53. doi: 10.1002/pbc.25024. Epub 2014 Jun 24. PMID: 24962217

36. Johnson T, Hickey R, Switzer G, Miller E, Winger D, Nguyen M, **Saladino RA**, Hausmann L. The impact of cognitive stressors in the emergency department on physician implicit racial bias. *Acad Emerg Med.* 2016. 23:297-305. doi: 10.1111/acem.12901. Epub 2016 Feb 22. PMID: 26763939

37. Ray KN, Felmet KA, Hamilton MF, Kuza CC, **Saladino RA,** Schultz BR, Watson RS, Kahn JM. Clinician attitudes toward adoption of pediatric emergency telemedicine in rural hospitals. *Pediatr Emerg Care.* 2017 Apr;33(4):250-257. doi: 10.1097/PEC.0000000000000583. PMID: 26785087

38. Fagbuyi DB, Venkataraman S, Ralphe JC, Zuckerbraun NS, Pitteti RD, Lin Y, Jeong K, **Saladino RA**, Manole MD. Diastolic Hypotension, Troponin Elevation and Electrocardiographic Changes Associated with the Management of Moderate to Severe Asthma in Children. *Acad Emerg Med.* 2016 Jul;23(7):816-22. doi: 10.1111/acem.12997. Epub 2016 Jul 1. PMID: 27129445

39. Berger RP, Fromkin J, Herman B, Pierce MC, **Saladino RA**, Flom L, Tyler-Kabara EC, McGinn T, Richichi R, Kochanek PM. Validation of the Pittsburgh infant brain injury score for abusive head trauma. *Pediatrics* 2016 Jul;138(1). pii: e20153756. doi: 10.1542/peds.2015-3756. Epub 2016 Jun 23. PMID: 27338699

40. Johnson TJ, Winger DG, Hickey RW, Switzer GE, Miller E, Nguyen MB, **Saladino RA**, Hausmann LRM. Comparison of physician implicit racial bias towards adults versus children. *Academic Pediatrics* 2016, doi: 10.1016/j.acap.2016.08.010. PMID: 27620844

41. Lewis J, Arora G, Tudorascu DL, Hickey RW, **Saladino RA**, Manole MD. Acute Management of Refractory and Unstable Pediatric Supraventricular Tachycardia. J Pediatr. 2017 Feb;181:177-182.e2. doi: 10.1016/j.jpeds.2016.10.051. Epub 2016 Nov 29. PMID: 27912926.

42. Root JM, Vargas M, Garibaldi LR, **Saladino RA**. Pediatric patient with altered mental status and hypoxemia: Case Report. *Pediatr Emerg Care* 2017; 33:486-488. doi: 10.1097/PEC.0000000000000722. PMID: 27050737

43. Ray KN, Felmet KA, Hamilton MF, Kuza CC, **Saladino RA**, Schultz BR, Watson RS, Kahn JM. Clinician Attitudes Toward Adoption of Pediatric Emergency Telemedicine in Rural Hospitals. *Pediatr Emerg Care*. 2017 Apr;33(4):250-257. doi: 10.1097/PEC.0000000000000583. PMID: 26785087

44. Lewis J, Arora G, Tudorascu DL, Hickey RW, **Saladino RA**, Manole MD Acute management of refractory and unstable pediatric supraventricular tachycardia. *J Pediatr*. 2017; 181:177-182.e2. doi: 10.1016 PMID: 27912926

45. Berger RP, Pak BJ, Kolesnikova MD, Fromkin J, **Saladino RA**, Herman BE, Pierce MC, Englert D, Smith PT, Kochanek PM. Derivation and validation of a serum biomarker panel to identify infants with acute intracranial hemorrhage. *JAMA Pediatr*. 2017 Jun 5;171(6):e170429. doi: 10.1001/jamapediatrics.2017.0429. Epub 2017 Jun 5. PMID: 28395008

46. Weberding NT, **Saladino RA**, Minnigh MB, Oberly PJ, Tudorascu DL, Poloyac SM, Manole MD. Adenosine Administration with a stopcock technique delivers lower-than-intended drug doses. *Ann Emerg Med* 2018 Feb;71(2):220-224. doi: 10.1016/j.annemergmed.2017.09.002. Epub 2017 Oct 28. PMID: 29089171

47. Leeper CM, Yazer MH, **Saladino RA**, Triulzi D, Cladis R, Gaines B. The first described use of uncrossmatched cold-stored whole blood in injured children with hemorrhagic shock. *JAMA Pediatr* 2018 May 1;172(5):491-492. doi: 10.1001/jamapediatrics.2017.5238. PMID: 29554175; PMCID: PMC5875385.

48. Ivan Y, Ramgopal S, Cardenas-Villa M, Winger DG, Wang L, Vitale MA, **Saladino RA**. Feasibility of the Digital Retinography System Camera in the Pediatric Emergency Department. *Pediatr Emerg Care* 2018 34(7):488-491. doi: 10.1097/PEC.0000000000001203. PMID: 28609333

49. Berger RP, **Saladino RA**, Fromkin J, Heineman E, Suresh S, McGinn T. Development of an electronic medical record-based child physical abuse alert system. *J Am Med Inform Assoc* J Am Med Inform Assoc. 2018 Feb 1;25(2):142-149. doi: 10.1093/jamia/ocx063. PMID: 28641385

50. Suresh S, **Saladino RA,** Fromkin J, Heineman E, McGinn, Richichi R, Berger RP. Integration of physical abuse clinical decision support into the electronic health record at a tertiary care children's hospital. *J Amer Med Informatics Assoc.* 2018 Jul 1;25(7):833-840. doi: 10.1093/jamia/ocy025. PMID: 29659856

51. Ramgopal S, Bykowski MR, Chow I, Losee JE, Saladino RA. Weather Patterns in the Prediction of Pediatric Dog Bites. Clin Pediatr (Phila). 2019 Mar;58(3):354-357. doi: 10.1177/0009922818809518. Epub 2018 Oct 29. PMID: 30371111.

52. Bykowski MR, Shakir S, Naran S, Smith DM, Goldstein JA, Grunwaldt L**, Saladino RA**, Losee JE. Pediatric Dog Bite Prevention: Are We Barking Up the Wrong Tree or Just Not Barking Loud Enough? *Pediatr Emerg Care* 2019 Sep;35(9):618-623. doi: 10.1097/PEC.0000000000001132. PMID: 28398940
53. Leeper CM, Yazer MH, Cladis FP, **Saladino RA**, Triulzi DJ, Gaines BA. Cold-stored whole blood platelet function is preserved in injured children with hemorrhagic shock. *J Trauma Acute Care Surg*. 2019 Jul;87(1):49-53. doi: 10.1097/TA.0000000000002340. PMID: 31033893

54. Ramgopal S, Button SE, Owusu-Ansah S, Manole MD, **Saladino RA**, Guyette FX, Martin-Gill C. Success of Pediatric Intubations Performed by a Critical Care Transport Service. *Prehosp Emerg Care*. 2020 Sep-Oct;24(5):683-692. doi: 10.1080/10903127.2019.1699212. Epub 2020 Jan 9. PMID: 31800336

55. Schmucker, KA, Zucherbraun NS, Vitale M, Hickey RW; Callaway CW, Pitetti RD, **Saladino RA**, Manole MD. Increased fellow scholarly publication rate after implementation of a comprehensive research curriculum and milestone-based research timeline for pediatric emergency medicine fellows. *Pediatr Emerg Care.* 2023 Jan 1;39(1):e11-e14. doi: 10.1097/PEC.0000000000002715. Epub 2022 Apr 27. PMID: 35477926

56. Glenney AE, Irgebay Z, Cheng LG, Comerci AJ, Mocharnuk JW, Bruce MK, Anstadt EE, **Saladino RA**, Dvoracek LA, Losee JE, Goldstein JA. Pediatric Nasoorbitoethmoid Fractures: A Single Institution's 15-Year Experience. J Craniofac Surg. 2023 Sep 1;34(6):1717-1721. doi: 10.1097/SCS.0000000000009514. Epub 2023 Jul 17. PMID: 37458265.

57. Irgebay Z, Glenney AE, Beiriger JW, Smetona J, Dixon A, Kass NM, Mocharnuk JW, Anstadt E, Dvoracek LA, **Saladino RA**, Losee JE, Goldstein JA. Pediatric Facial Fractures: Demographics, Injury Patterns, and Associated Injuries in 3334 Patients. J Craniofac Surg. 2024 May 9. doi: 10.1097/SCS.0000000000010236. Epub ahead of print. PMID: 38722332.

2. Other Peer Reviewed Publications: Review articles, Case reports, Invited published papers

1. **Saladino RA**. Ethylene glycol. *Clin Toxicol Rev* 11(7), April 1989.
2. **Saladino RA**, Fleisher GR, Siber GR, Thompson C, Novitsky TJ. Therapeutic potential of a recombinant endotoxin-neutralizing protein from *Limulus polyphemus*. In: Morrison DC, Ryan JL, Eds. Novel Therapeutic Strategies in the Treatment of Sepsis, Marcel Dekker, Inc., New York, 1995; 97-110.
3. **Saladino RA**. Management of septic shock in the pediatric emergency department in 2004. *Clin Pediatric Emerg Med* 2004; 5:20-27.
4. Zuckerbraun NS, **Saladino RA.** Pediatric drowning: current management strategies for immediate care. *Clin Pediatric Emerg Med* 2005; 6:49-56.
5. Phrampus ED, Shultz BL, **Saladino RA**. Injuries associated with all-terrain vehicles, a new epidemic. *Clin Pediatric Emerg Med* 2005; 6:57-61.
6. Potoka DA, **Saladino RA.** Blunt abdominal trauma in the pediatric patient. *Clin Pediatric Emerg Med.* 2005; 6:23-31.
7. **Saladino RA**. Pediatric Trauma. Guest Editor: *Clin Pediatric Emerg Med.* 2005; Vol. 6; 1-65.

8. Manole MD, **Saladino RA**. Emergency department management of the pediatric patient with supraventricular tachycardia. *Pediatric Emerg Care.* 2007 Mar;23(3):176-85; quiz 186-9. Review. PMID: 17413437

9. **Saladino RA**, Antevy P. Management of fingertip injuries. In: *UpToDate*, Wiley JF (Ed), UpToDate, Waltham, MA. 2011. Updated annually; last updated March 2024.

10. Rosen J, Suresh S, **Saladino RA**. Quality care and patient safety in the pediatric emergency department. *Pediatr Clin North* Am. 2016 Apr;63(2):269-82. doi: 10.1016/j.pcl.2015.12.004. Review. PMID: 27017034

11. Ramgopal S, Ivan Y, Medsinge A, **Saladino RA**. Pediatric necrotizing pneumonia: a case report and review of the literature. *Pediatr Emerg Care*. 2017 Feb;33(2):112-115. doi: 10.1097/PEC.0000000000000585. Review. PMID: 26785088

12. Root JM, Vargas M, Garibaldi LR, **Saladino RA**. Pediatric patient with altered mental status and hypoxemia: case report*. Pediatr Emerg Care.* 2017 Jul;33(7):486-488. doi: 10.1097/PEC.0000000000000722. PMID: 27050737

13. Pulcini CD, Lentz S, **Saladino RA,** Bounds R, Herrington R, Michaels MG, Maurer SH. Emergency Management of Fever and Neutropenia in Children with Cancer: A Review. *Amer J Emerg Med.* 2021 DOI: 10.1016/j.ajem.2021.09.055. PMID: 34879488

14. **Saladino RA,** Conti K. Pediatric blunt abdominal trauma: Initial evaluation and stabilization. In: *UpToDate*, Wiley JF (Ed), UpToDate, Waltham, MA 2019. Updated annually; last updated January 2025.

15. **Saladino RA**. Emergency Department approach to nontraumatic headache in children. In: *UpToDate*, Wiley JF (Ed), UpToDate, Waltham, MA 2020. Updated annually; last updated August 2024.

16. **Saladino RA**. Evaluation and management of fingertip injuries. In: *UpToDate*, Wiley JF (Ed), UpToDate, Waltham, MA 2024. Updated annually; last updated March 2025.

17. Gebara NY, Rometo AB, **Saladino RA**. Case 3: A 4-Year-Old Girl With a Cavitary Chest Lesion. Pediatr Rev. 2025 Jun 1;46(6):325-328. doi: 10.1542/pir.2023-005964. PMID: 40449910.

3. Other Non-Peer Reviewed Publications: Proceedings of conferences and symposia, Letters to the editor, Editorials

1. Siber GR, **Saladino RA**, Kuppermann N, Nelson D, Garcia CT, Parsonnet J, Hammer B, Thompson C, Novitsky TJ, Fleisher GR: Effect of a recombinant neutralizing protein from *Limulus polyphemus* on Gram negative sepsis. Proceedings of the 2nd International Endotoxin Society, Vienna, Austria, August 1992, Ed. J. Levin Elsevier Science Publisher BV, Amsterdam, 1992; 379-387.

4. Books, Book Chapters and Monographs

1. **Saladino RA**. Environmental Emergencies. In: Aoki B, McCloskey K, Eds. Evaluation, Stabilization and Transport of the Critically Ill Child. Mosby-Year Book, Inc., St. Louis, 1992.

2. **Saladino RA**, McManus M. Acute Care. In: Graef J, Ed. Manual of Pediatric Therapeutics. Boston, Little, Brown and Company, 1993; 48-98.

3. **Saladino RA**, Lund D. Abdominal Trauma. In: Fleisher G, Ludwig S, Eds. Synopsis of Pediatric Emergency Medicine. Williams & Wilkins, Baltimore, 1995; 635-640.

4. **Saladino RA**. Endocrine and metabolic disorders. In: Barkin R, Ed. Pediatric Emergency Medicine: Clinical concepts and practice. Mosby-Year Book, Inc., St. Louis, 1st edition, 1992; 2nd edition, 1997; 755-771.

5. **Saladino, RA**. Editorial Board: Graef J, Ed. Manual of Pediatric Therapeutics, Sixth Edition. Lippincott-Raven publishers, 1997.

6. **Saladino RA**. Pharyngeal procedures. In: Henretig FM, King C, Eds. Textbook of Pediatric Emergency Procedures, Williams & Wilkins, Baltimore, 1997; 689-697.

7. Torrey SB, **Saladino RA.** Arterial puncture and catheterization. In: Henretig FM, King C, Eds. Textbook of Pediatric Emergency Procedures, Williams & Wilkins, Baltimore, 1997; 783-795.

8. **Saladino RA**. Central venous catheter placement. In: Krauss B, Brustowicz RM, Eds. Pediatric Procedural Sedation and Analgesia, Lippincott Williams & Wilkins, Baltimore, 1999; 303-305.

9. Zuckerbraun NS, **Saladino RA**. Drowning-Hypothermia. In: Roback M and Teach S eds. Pediatric Resuscitation: a practical approach. American College of Emergency Physicians. 2005; 303-307.

10. Vogeley E, **Saladino RA**. Pharyngeal Procedures. In: Henretig FM, King C, Eds. Textbook of Pediatric Emergency Procedures, Lippincott, Williams & Wilkins, Philadelphia, 2nd edition, 2008; 627-636.

11. Torrey SB, **Saladino RA**. Arterial puncture and catheterization. In: Henretig FM, King C, Eds. Textbook of Pediatric Emergency Procedures, Lippincott, Williams & Wilkins, Philadelphia, 2nd edition, 2008; 715-725.

12. Antevy P, **Saladino RA**. Finger injuries. In: Henretig FM, King C, Eds. Textbook of Pediatric Emergency Procedures, Lippincott, Williams & Wilkins, Philadelphia, 2nd edition, 2008; 939-953.

13. Vitale MA, Rudolph JA, **Saladino RA**. Children with intestinal failure and complications from visceral transplant. In: Venkat A, Ed. Challenging and Emerging Conditions in Emergency Medicine, Wiley-Blackwell, Hoboken, 2011; 251-270.

14. **Saladino RA**, Lund D. Abdominal Trauma. In: Fleisher G, Ludwig S, Eds. Textbook of Pediatric Emergency Medicine. Williams & Wilkins, Baltimore, 3rd edition 1993; 1167-1174; 4th edition 2000; 1361-1369; 5th edition 2005; 1453-1462; 6th edition 2010; 1271-1280.

15. **Saladino RA**, Gaines BA. Abdominal Trauma. In: Fleisher G, Ludwig S, Eds. Textbook of Pediatric Emergency Medicine. Williams & Wilkins, Baltimore, 7th edition 2015; 1115-1125.; 8th edition 2020; 1084-1094.

16. **Saladino RA**, Richardson WM. Abdominal Trauma. In: Fleisher G, Ludwig S, Eds. Textbook of Pediatric Emergency Medicine. Williams & Wilkins, Baltimore, 9th edition 2025 [in press].

5. **Abstracts:**
    a. **Published in scientific journals noted with abstract number.**
    b. **Presented as oral or poster presentations noted with conference and location.**

1. **Saladino RA,** Fleisher GR. Arterial access in the pediatric emergency department (Presented at the Annual Meeting, Ambulatory Pediatrics Association, the Emergency Medicine Interest Group, Washington, DC, 1989.)

2. **Saladino RA,** Lund D, Fleisher GR. Occult abdominal injuries in childhood. [Abstract] *AJDC* 1990; 144:422. (Presented at the Annual Meeting, Ambulatory Pediatrics Association, Anaheim, 1990.)

3. **Saladino RA**, Alpert G, Baldwin G, Caputo GL, Parsonnet J, Gillis Z, Fleisher G, Siber G. Effect of intravenous immunoglobulin in a rabbit model of meningococcal endotoxic shock. [Abstract] *Pediatr Res* 1990; 27:N191,34A. (Presented at the Annual Meeting, Society for Pediatric Research, Anaheim, 1990.)

4. **Saladino RA**, Garcia CT, Thompson C, Hammer B, Siber G, Fleisher G. Assessment of intravenous endotoxin neutralizing protein in a rabbit model. [Abstract] *Pediatr Res* 1991; N182:33A. (Presented at the Annual Meeting, Society for Pediatric Research, New Orleans, 1991.)

5. **Saladino RA**, Erikson M, Levy N, Bachman D, Siber G, Fleisher G. Utility of serum interleukin-6 for diagnosis of invasive bacterial disease in children. [Abstract] *Pediatr Res* 1992; 31:N194,35A. (Presented at the International Symposium on IL-6: Physiopathology and clinical potentials, Montreux, Switzerland, 1991. Conference Award: Top Ten Best Abstracts.)

6. **Saladino RA**, Garcia CT, Hammer B, Thompson C, Parsonnet J, Wainwright N, Novitsky TJ, Siber GR, Fleisher GR. Effect of an endotoxin neutralizing protein in an E. coli sepsis model in the rabbit. [Abstract] *Pediatr Res* 1992; 31:N195,35A. (Presented at the Annual Meeting, Society for Pediatric Research, Baltimore, MD, 1992; Presented at the 1992 International Endotoxin Society Meeting, Vienna, Austria; Presented at the Annual Meeting, American Academy of Pediatrics, Emergency Medicine Section, San Francisco, 1992.)

7. Kuppermann N, Nelson D, Garcia C, **Saladino RA**, Hammer B, Wainwright N, Novitsky TJ, Fleisher GR, Siber GR. Recombinant endotoxin neutralizing protein from *L. polyphemus* reduces mortality from E. coli sepsis in a rat model. [Abstract] *Pediatr Res* 1992; 31:N176,32A. (Presented at the Annual Meeting, Society for Pediatric Research, Baltimore, 1992.)

8. **Saladino RA**, Erikson M, Levy N, Bachman D, Siber G, Fleisher G. Interleukin-6 in children with invasive systemic bacterial infection: correlation with severity of illness and prediction of disease. [Abstract] *Ann Emerg Med* 1992; 21:N40,600. (Presented at the Annual Meeting, Society for Academic Emergency Medicine, Toronto, 1992.)

9. Nelson D, Kuppermann N, **Saladino RA**, Parsonnet J, Thompson C, Hammer B, Sattler F, Novitsky TJ, Fleisher G, Siber G. A randomized trial of a recombinant endotoxin neutralizing protein versus a monoclonal antibody to endotoxin for the treatment of E. coli sepsis in a rat model. [Abstract] *Pediatr Res* 1993; 33:N1043,177A. (Presented at the Annual Meeting, Society for Pediatric Research, Washington, D.C., 1993.)

10. Stack A, **Saladino RA**, Thompson C, Sattler F, Weiner D, Parsonnet J, Nariuchi H, Siber GR, Fleisher GR. Murine anti-TNF monoclonal antibody reduces TNF levels in an E. coli sepsis model in the rabbit. [Abstract] *Pediatr Res* 1993; 33:N1089,184A. (Presented at the Annual Meeting, Society for Pediatric Research, Washington, D.C., 1993.)

11. **Saladino RA**, Stack A, Thompson C, Sattler F, Novitsky TJ, Siber GR, Fleisher GR: High-dose recombinant endotoxin neutralizing protein improves survival from E. coli sepsis in rabbits. [Abstract] *Pediatr Res* 1994; 35:N332,58A. (Presented at the Annual Meeting, Society for Pediatric Research, Seattle, 1994, and at the Annual Meeting, Society for Academic Emergency Medicine, Washington, D.C., 1994.)

12. Weiner D, Kuppermann N, **Saladino RA,** Thompson C, Sattler F, Novitsky T, Siber G, Fleisher G: Comparison of early vs late treatment with recombinant endotoxin neutralizing protein (ENP) in a rat model of E. coli sepsis. [Abstract] *Pediatr Res* 1994; N1185, 200A. (Presented at the Annual Meeting, Society for Pediatric Research, Seattle, 1994.)

13. Stack AM, **Saladino RA**, Thompson CM, Siber GR, Fleisher GR: A comparison of recombinant endotoxin neutralizing protein versus a recombinant bactericidal/permeability increasing protein variant for the treatment of E. coli sepsis in rats. [Abstract] *Pediatr Res* 1995; 37:N116, 118A. (Presented at the Annual Meeting, Society for Pediatric Research, San Diego, 1995.)

14. Roback MG, **Saladino RA**, Stack AM, Thompson C, Schwarz HP, Siber GR: Effect of activated protein C on endotoxin shock in rabbits. [Abstract] *Pediatr Res* 1995; 37:N300, 52A. (Presented at the Annual Meeting, Society for Pediatric Research, San Diego, 1995, and at the Annual Meeting, Society for Academic Emergency Medicine, San Antonio, 1995.)

15. Meyers A, Sampson A, **Saladino RA,** Adams W, Mondolfi A, Dixit S, Glotzer D: Safety and effectiveness of homemade and reconstituted packet cereal-based oral rehydration solutions: a randomized clinical trial. [Abstract] *Pediatr Res* 1996; 39:N151. (Presented at the Annual Meeting, Society for Pediatric Research, Washington, 1996.)

16. **Saladino RA**, Stack AM, Thompson CM, Fleisher GR, Siber GR: Infant rat model of vaccine type S. pneumoniae (SP) pneumonia. [Abstract] *Pediatr Res* 1996; 39:N1091. (Presented at the Annual Meeting, Society for Pediatric Research, Washington, 1996.)

17. **Saladino RA**, Stack AM, Malley R, Thompson CM, Siber GR, Fleisher GR: Bacterial polysaccharide immune globulin (BPIG) protects infant rats with *S. pneumoniae* pneumonia from bacteremia, meningitis and death. [Abstract] *Pediatr Res* 1996; 39:N1092. (Presented at the Annual Meeting, Society for Pediatric Research, Washington, 1996.)

18. Malley R, Stack AM, Thompson CM, Ferretti ML, Siber GR, Fleisher GR, **Saladino RA**: An infant rat model of Streptococcus pneumoniae (SP) nasal colonization and invasive pneumococcal disease. [Abstract] *Pediatr Res* 1996; 39:N1054. (Presented at the Annual Meeting, Society for Pediatric Research, Washington, 1996.)

19. Malley R, Thompson CM, Ferretti ML, Siber GR, **Saladino RA:** Bacterial polysaccharide immune globulin (BPIG) does not protect infant rats from nasal colonization with Streptococcus pneumoniae. [Abstract] *Pediatr Res* 1996; 39:N1055. (Presented at the Annual Meeting, Society for Pediatric Research, Washington, 1996.)

20. Malley R, Stack AM, Husson R, Murphy M, **Saladino, RA**: Development of a novel model of non-bacteremic, focal pneumococcal pneumonia in young rats. [Abstract*] Pediatr Res* 1999; 45:N 978. (Presented at the Annual Meeting, Society for Pediatric Research, San Francisco, 1999.)

21. Stack AM, Malley R, Thompson CM, **Saladino RA**: A novel murine model of primary respiratory syncytial virus infection. [Abstract] *Pediatr Res* 1999; 45:N 1023. (Presented at the Annual Meeting, Society for Pediatric Research, San Francisco, 1999.)

22. Antevy P, Zuckerbraun NS, Pitetti RD, **Saladino RA**: Evaluation of a transthecal digital nerve block in the injured pediatric patient. [Abstract] *Pediatr Res* 2005; (Presented at the Annual Meeting, Society for Pediatric Research, Washington, 2005.)

23. Thomas DG, Collins M, **Saladino RA,** Frank V, and Zuckerbraun NS. Neurocognitive assessment of concussion in the pediatric emergency department. [Abstract] *Pediatr Res* 2008; (Presented at the Annual Meeting, Society for Pediatric Research, Honolulu, 2008.)

24. Fagbuyi, D Manole M, Zuckerbraun N, Pitetti R, Ralphe JC, **Saladino R**A, Venkataraman S. Incidence of myocardial ischemia with the administration of continuous albuterol nebulization in children with moderate to severe asthma. [Abstract] *Pediatr Res* 2008; (Presented at the Annual Meeting, Society for Pediatric Research, Honolulu, 2008.)

25. Fagbuyi, D, Pitetti RD, Zuckerbraun NS, Manole M, Venkataraman S, Ralphe JC and **Saladino R**A. Incidence of myocardial ischemia in moderate to severe asthma patients receiving continuous albuterol nebulization. [Abstract] *Amer J Thor Surg* 2008; (Presented at the American Thoracic Society 2008 International Conference, Toronto, 2008.)

26. Grunwalt, LJ, Zuckerbraun, NS, DeCesare GE, **Saladino RA**, Naran S, Vecchione L, Bolling L, Losee JE. Mild traumatic brain injury (mTBI) in children and adolescents with facial fractures: occurrence of mTBI and relationship of fracture type. [Abstract] (Presented at the Annual Meeting, American Academy of Pediatrics, Washington, 2009.)

27. Tavarez MM, **Saladino RA**, Gaines BA, Manole MS. Prevalence, clinical presentation and management of magnetic foreign body ingestions in children. [Abstract] (Presented at the Annual Meeting, American Academy of Pediatrics, Washington, 2009.)

28. Candido-Vitto C, Indyk J, DeFranco D, Zuckerbraun NS, **Saladino RA**, Munoz R, Benkataraman S, Witchel S. Assessment of glucocorticoid receptor function in peripheral blood mononuclear cells of critically ill children. [Abstract] (Presented at the Society of Critical Care Medicine's (SCCM) 39th Critical Care Congress, Miami, 2009, and The Endocrine Society 92nd Annual Meeting, San Diego, 2010.)

29. Shah AP, Fiedor-Hamilton M, **Saladino RA**, Zuckerbraun NS. Occurrence of inpatient condition A or C events after admission from a pediatric emergency department (ED). [Abstract #9980] (Presented at the Annual Meeting, American Academy of Pediatrics, San Francisco, CA 2010).

30. Cullen D, Nguyen M, Wolford J, **Saladino RA**, Miller E. Little people, big hunger: addressing food insecurity in the pediatric emergency department. [Abstract] (Presented at the Annual Meeting, American Academy of Pediatrics, San Diego, CA 2014). American Academy of Pediatrics Section on Medical Students, Residents and Fellowship Trainees (SOMSRFT) Anne E. Dyson Child Advocacy Award.

31. Weberding N, **Saladino RA,** Poloyac S, Manole MD, Toader A, Minnigh M, Oberly P. Adenosine administration using a stopcock technique delivers lower than intended drug doses. [Abstract] (Presented at the American Heart Association Fellows Research Day, Pittsburgh, PA, 2015).

32. Mackey B, Cohen D, **Saladino RA**. Use of intranasal fentanyl can lead to high quality care and high patient satisfaction in the pediatric emergency department. Journal of Sickle Cell Disease and Hemoglobinopathies. [Abstract] (Presented at the 9th Annual Sickle Cell Disease Research and Educational Symposium and 38th National Sickle Cell Disease Scientific Meeting, Hollywood, FL 2015).

33. Johnson TJ, Hickey RW, Switzer GE, Miller E, Winger DG, Nguyen M, **Saladino RA**, Hausmann L. Physician Implicit racial bias towards adults and children. [Abstract #753950] (Presented at the Annual Meeting, Society for Pediatric Research, San Diego, CA 2015).

34. Lewis J, **Saladino RA**, Tudorascu DL, Aurora G, Manole MD. Refractory supraventricular tachycardia (SVT) in children: emergency department presentation, management, and outcomes. [Abstract #752625] (Presented at the Annual Meeting, Society for Pediatric Research, San Diego, CA 2015).

35. Ivan Y, **Saladino RA,** Nischal K. Feasibility of the digital retinography system (DRS) camera in the pediatric emergency department. (Presented at the Annual Meeting, American Academy of Pediatrics, Washington, DC 2015).

36. Ramgopal S, Bykowski MR, Chow I, Losee JE, **Saladino RA**. The Relation of Weather Events and Pediatric Dog Bites. (Presented at the 64th annual meeting of the Robert H Ivy Society of Plastic Surgery, Hershey, PA 2018).

37. Irgebay I, Glenney AE, Mocharnuk JW, Beiriger J, Anstadt E, Dvoracek LA, **Saladino RA**, Losee JE, Goldstein JA. Demographics, injury patterns and associated injuries in 3,334 pediatric facial fracture patients treated at a single institution. (Presented at the American Association of Plastic Surgeons Annual meeting. Chicago, IL 2023).

38. Rosen JR, Conti K, Sandridge K, **Saladino RA**. Impact of multidisciplinary education and data sharing on reducing time to antibiotic administration to pediatric patients with open fractures. (Presented at the Annual Meeting, American Association of Pediatrics, Orlando, FL 2024).

PROFESSIONAL ACTIVITIES

TEACHING:

Medical Students teaching

Date	Role	Title of session	Learner	No. of learners/ session	No. of sessions/ year
1990-2000	Instructor	Topics in Pediatric Emergency Medicine (didactic)	Harvard Medical School Medical students MS3, MS4	4-10	24
2000-2017	Instructor	Selected topics in Pediatric Emergency Medicine (didactic)	UPSOM Medical Students MS3, MS4	2-3	24
2000-2017	Preceptor	UPSOM Advanced Pediatric Examination Course;	UPSOM Medical Students MS3, MS4	2-3	4
2000-current	Preceptor	Bedside teaching, Emergency Department, UPMC Children's Hospital of Pittsburgh	UPSOM Medical Students MS3, MS4	1-2	2000-2010:168 2010-18: 100 2018-curr: 60
2007-2008	Faculty Instructor	Pre-clerkship Program: Patient Assessment Workshop for Medical Students	UPSOM (John Mahoney, MD, Course Director)	50	1
2007-2011	Faculty Instructor	UPSOM Department of Emergency Medicine residency preparedness series: "Getting ready for residency"	UPSOM Medical Students MS4 (Susan Dunmire, MD, Course Director)	40-50	1

Resident teaching

Date	Role	Title of session	Learner	No. of learners/ session	No. of sessions/ year
1990-2000	Lecturer	Topics in Pediatric Emergency Medicine (didactic)	Boston Children's Hospital: Pediatric, Family Medicine,	4-10	24

			Emergency Medicine residents, PGY1-PGY4		
1990-2000	Lecturer	Workshop - Wound management	Boston Children's Hospital: Pediatric, Family Medicine, Emergency Medicine residents, PGY1-PGY4	4-10	24
2000-2017	Lecturer	Selected topics in Pediatric Emergency Medicine (didactic)	UPMC Children's Hospital of Pittsburgh: Pediatric, Family Medicine, Emergency Medicine residents, PGY1-PGY4	2-3	24
2000-current	Preceptor	Bedside teaching, Emergency Department, UPMC Children's Hospital of Pittsburgh	UPMC Children's Hospital of Pittsburgh: Pediatric, Family Medicine, Emergency Medicine residents, PGY1-PGY4	3-5	72-150
2000-2017	Invited Lecturer	Department of Emergency Medicine Grand Rounds (didactic) - selected topics in Pediatric Emergency Medicine	UPSOM Department of Emergency Medicine residents	20-24	1

Fellow Teaching

Date	Role	Title of session	Learner	No. of learners/ session	No. of sessions/ year
1990-2000	Lecturer	Pediatric Emergency Medicine topics (didactic): Sepsis; Shock; Pediatric resuscitation; Critical airway; Seizure management; Infant and young child with fever; Approach to pediatric trauma; Abdominal emergencies; Pediatric urgencies and minor procedures; Management of pediatric trauma	Boston Children's Hospital: Pediatric Emergency Medicine Fellows, PGY4-PGY7	4-15	12

1990-2000	Lecturer	Workshop - Wound management	Boston Children's Hospital: Pediatric Emergency Medicine Fellows, PGY4-PGY7	4-15	2
1990-2000	Lecturer	Workshop - Pediatric Emergency Medicine critical procedures animal laboratory	Boston Children's Hospital: Pediatric Emergency Medicine Fellows, PGY4-PGY7	4-15	1
1990-2000	Lecturer	Workshop - Pediatric vascular access laboratory	Pediatric Emergency Medicine Fellows, PGY4-PGY7	4-15	1
1997	Lecturer	"Basic science research for the pediatric emergency medicine fellow." Fourth Annual Pediatric Emergency Medicine Fellows Conference, Miami, FL	Pediatric Emergency Medicine Fellows, PGY4-PGY7; National Conference	200	1
2000-current	Lecturer	Pediatric Emergency Medicine topics (didactic): Sepsis; Shock; Pediatric resuscitation; Critical airway; Seizure management; Infant and young child with fever; Approach to pediatric trauma; Abdominal emergencies; Pediatric urgencies and minor procedures; Management of pediatric trauma; others	UPMC Children's Hospital of Pittsburgh: Pediatric Emergency Medicine Fellows, PGY4-PGY7	3-9	8-12
2000-current	Lecturer	Workshop - Wound management	UPMC Children's Hospital of Pittsburgh: Pediatric Emergency Medicine Fellows, PGY4-PGY7	3-9	1
2000-2017	Lecturer	Workshop - Pediatric vascular access laboratory	UPMC Children's Hospital of Pittsburgh: Pediatric Emergency Medicine Fellows, PGY4-PGY7	3-9	1

2000-current	Mentor, Lecturer, Committee member	Professional and career development; Scholarship Oversight Committee	UPMC Children's Hospital of Pittsburgh: Pediatric Emergency Medicine Fellows, PGY4-PGY7	9	1

Curriculum Development: Faculty Leadership Development

Date	Role	Curriculum, program, product	Target audience	No. of learners/ session	No. of sessions/ year
2019-current	Associate Vice Chair for Faculty Affairs, Office of Faculty Development: Course & Curriculum Developer	**Developed Department of Pediatrics Leadership Excellence Series.** Session topics include: Division Chief and Center Director leadership best practices; Leading transformational change; Finding your leadership strengths; Faculty professional development planning; Finance IQ for Chiefs; Running an effective meeting; The art of negotiation; Bias in our professional lives; Upstander training; Mentorship skills development; Managing difficult conversations; Navigating the academic promotion process; Faculty recruitment strategies; Support letter writing for promotion; Managing uncertainty in medicine; Leading during challenging times.	UPSOM, Department of Pediatrics: Division Chiefs, Center Directors, Vice Chairs	26	4-6
2020-current	Senior Associate Vice Chair for Faculty Affairs, Office of Faculty Development: Course & Curriculum Developer	**Developed Department of Pediatrics Leadership Toolbox for Clinical Service Directors Series.** Session topics: The organized leader; How to champion process change for your clinical service; Negotiation; Conflict resolution; Running an effective meeting; Understanding organizational	UPSOM, Department of Pediatrics: Division Clinical Service Directors	26	6-8

		structure; Building your business IQ; Leveraging leadership strengths.; Leading during challenging times.			
2025-current	Senior Associate Vice Chair for Faculty Affairs, Office of Faculty Development: Course & Curriculum Developer	**Developed Department of Pediatrics Leadership Excellence "Speed Leadership" program for Department Council meetings.** Session topics include: Celebrating achievement-Honorific societies and awards; Cascading important information-best practices; Facilitating mentor committee build; Optimizing the faculty performance evaluation; Providing feedback to your faculty member; Initiating the push towards academic promotion; Best practice letter writing.	UPSOM, Department of Pediatrics: Division Chiefs, Center Directors, Vice Chairs	26	4-6

Curriculum Development and Teaching products

Date	**Role**	**Curriculum, program, product**	**Target audience, learners, description**	**No. of learners/ session**	**No. of sessions/ year**
2000-2001	Division Director, Pediatric Emergency Medicine	Creation of the full curriculum and co-author of the Program Information Form (PIF): Children's Hospital of Pittsburgh Program in Pediatric Emergency Medicine	Children's Hospital of Pittsburgh Program in Pediatric Emergency Medicine; full accreditation February 2001		
2000-2012	Planning Committee, Member	American Academy of Pediatrics, Section on Emergency Medicine: PREP-EM	Intensive review course in pediatric emergency medicine	270-300	One course every even year

2008-2012	Chair and Course Director	American Academy of Pediatrics, Section on Emergency Medicine: PREP-EM	Intensive review course in pediatric emergency medicine	270-300	2010 and 2012 courses
2018-2024 2025-	Faculty Co-Director	University of Pittsburgh ICRE (Institute for Clinical Research Education) Professional Development Program	MEDEDU2120 MPH Students (Fellows and Junior Faculty)	18-24	One course, 8 sessions per year
2020-current	Faculty and curriculum development	Academic Pediatric Association Scholars Program: Advancing Pediatric Leaders	Early and mid-career leaders in pediatric medicine	8-24	Cohort 1: 2020-2022 Cohort 2: 2022-2024

Invited teaching, Continuing Medical Education (CME) lectures, and Workshops:

1989 "Pediatric emergencies." Continuing Medical Education Course, Boston University School of Medicine, Boston, MA

1990 Advanced Pediatric Life Support, Instructor. American Academy of Pediatrics Annual Meeting, Boston, MA

1991 "Strains and sprains." Neighborhood Health Group, Boston, MA

1991 "Scratches, cuts, burns and bites." Comprehensive Child Health Program, Children's Hospital, Boston, MA

1992 "Cytokines in infection: pathophysiology and clinical implications. "Clinical Therapeutics Course, Harvard Medical School, Boston, MA

1992 "Current events in the treatment of sepsis." Department of Dentistry Morning Seminar Series, Children's Hospital, Boston, MA

1992 "A recombinant endotoxin neutralizing protein improves survival in rabbits with E. coli sepsis." Longwood Area Trauma Center Research Seminar, Department of Surgery, Brigham and Women's Hospital, Boston, MA

1993 "Septic Shock." Pediatric Emergencies: Resuscitation, Practical Procedures and Topics in Infectious Diseases, Continuing Medical Education Course, Boston University School of Medicine, Boston, MA

1994 "Presentations at scientific meetings." Introduction to Clinical Research Course, Children's Hospital, Harvard Medical School, Boston, MA

1994 "New therapeutic approaches to septic shock." Annual Meeting, American Academy of Pediatrics, Section on Emergency Medicine, Dallas, TX

1996 "Shock." Advanced Pediatric Life Support, Pediatric Emergency Medicine Course. American Academy of Pediatrics Annual Meeting, Boston, MA

1996 American Academy of Pediatrics, Section on Emergency Medicine: PREP-EM (Intensive review of pediatric emergency medicine). Faculty instructor, August 1996, Chicago, IL.

1996 "Circulatory failure in the pediatric patient: the nuts and bolts of pathophysiology and management." Emergency Medicine Fall Conference: "Emergency Medicine Into the 21st Century;" Department of Emergency Medicine, Brigham and Women's Hospital, Massachusetts General Hospital, Boston, MA

1997 "Fevers through the ages: current management strategies." Emergency Medicine Winter Symposium, Sugarloaf, ME

1997 "Current evaluation and management of the febrile child;" "Management of common fractures in children." 6th Annual Common Pediatric Emergencies Conference, San Antonio, TX

1998 "Fevers through the ages: traversing your options;" "Ten great pediatric articles." Emergency Medicine Winter Symposium, Sugarloaf, ME

1998 "Hypovolemic shock." Harvard Medical School Department of Continuing Education: Injuries to Children: From minor to major and multiple trauma. Boston, MA

1998 "The febrile child." University of Cincinnati, Department of Emergency Medicine: State of the Art Emergency Care: Pediatric Emergencies. Cincinnati, OH

1998 American Academy of Pediatrics, Section on Emergency Medicine: PREP-EM (Intensive review of pediatric emergency medicine). Faculty instructor, August 1998, San Diego, CA.

1999 Primary Children's Medical Center, University of Utah School of Medicine: Pediatric Emergency Medicine Conference 1999: "Fevers through the ages: negotiating your options;" "Pediatric surgical emergencies: recognizing the red flags; "Circulatory failure in the pediatric patient: nuts, bolts and beyond." Salt Lake City, UT.

1999 "Managing the febrile infant and young child: an update." Children's Hospital of Michigan: Pediatric Infectious Diseases Emergencies Conference. Detroit, MI

2000 "Managing the febrile infant and young child: an update;" "Minor office emergencies: quick fixes and when to refer." Valley Children's Hospital (Madera, CA), Pediatrics in Yosemite, Yosemite Valley, CA

2000 American Academy of Pediatrics, Section on Emergency Medicine: PREP-EM (Intensive review of pediatric emergency medicine). Faculty instructor, August 2000, Seattle, WA

2000 "Circulatory failure: shock in the pediatric patient." University of Pittsburgh Affiliated Residency in Emergency Medicine, Grand Rounds, Center for Emergency Medicine, Pittsburgh, PA

2001 "Hypovolemic shock in the pediatric patient." Emergency Medical Services Institute of Pennsylvania, EMS Update 2001. Seven Springs, PA

2000 "Office management of minor emergencies: quick fixes and when to refer." Three Rivers Clinical Pediatric Update, Children's Hospital of Pittsburgh, Pittsburgh, PA

2001 "The evolution of resuscitation less is more." 49th Annual Alumni Day, Children's Hospital of Pittsburgh, University of Pittsburgh School of Medicine, Pittsburgh, PA

2001 "A history of resuscitation: myths and realities." The American Association of Professional Coders, Pittsburgh, PA

2002 "Evaluation and management of respiratory emergencies in the pediatric patient. Pennsylvania Chapter of the American Academy of Emergency Physicians: Tools and the Talent Conference. Pittsburgh, PA

2001 "The management of seizures in the pediatric patient: are there data for what we do?" Emergency Medical Services Institute of Pennsylvania, EMS Update 2001. Seven Springs, PA

2002 "Pediatric surgical emergencies." Three Rivers Clinical Pediatric Update, Children's Hospital of Pittsburgh, Pittsburgh, PA

2002 American Academy of Pediatrics, Section on Emergency Medicine: PREP-EM (Intensive review of pediatric emergency medicine). Faculty instructor, July 2002, Montreal, Canada.

2002 "Management of Respiratory Emergencies in the Pediatric Patient: Updates on the management of status asthmaticus and bronchiolitis." Pennsylvania Chapter of the American Academy of Emergency Physicians: Tools and the Talent Conference. Pittsburgh, PA

2003 "Evaluation and management of the febrile young infant and young child in the new vaccines era." "Red flags in the recognition of abdominal emergencies in the infant and young child." Education Day, Minneapolis Children's Hospital, Minneapolis, MN

2003 "Evaluation and management of the febrile child in the new vaccines era." Three Rivers Clinical Pediatric Update, Children's Hospital of Pittsburgh, Pittsburgh, PA

2004 "Death of a child: how do we respond?" Emergency Medical Services Institute of Pennsylvania, EMS Update Seven Springs, PA

2004 American Academy of Pediatrics, Section on Emergency Medicine: PREP-EM (Intensive review of pediatric
emergency medicine). Faculty instructor, July 2004, Toronto, Canada

2005 Pediatric Emergency Medicine 2005: Advances and Controversies for the Clinician. "Shock-Early recognition and management," "Respiratory urgencies and emergencies," "Management of seizures-basic approach and evidence-based rationale." Invited Faculty,

Orlando, FL (Alfred I. DuPont Hospital for Children and Nemours Children's Clinic CME Course).

2006 "Office emergencies: quick fixes and when to refer." Three Rivers Clinical Pediatric Update, Children's Hospital of Pittsburgh, May 2006, Pittsburgh, PA

2006 American Academy of Pediatrics, Section on Emergency Medicine: PREP-EM (Intensive review of pediatric emergency medicine). Member, Planning Committee; Faculty instructor, August 2006, Washington, DC.

2007 "An approach to fever in the pediatric patient." University of Pittsburgh Affiliated Residency in Emergency Medicine, Grand Rounds. Pittsburgh, PA

2007 "Vascular access in the injured child. Seventh Annual John M. Templeton Jr. Pediatric Trauma Symposium
Pittsburgh, PA

2007 "Managing the infant and young child with fever: using the literature and clinical experience to guide your decisions." In: "Getting Ready for Residency Workshop." University of Pittsburgh School of Medicine, Faculty instructor (Susan Dunmire, MD, Course Director). Pittsburgh, PA

2007 "Pre-clerkship Program: Patient Assessment Workshop for Medical Students." University of Pittsburgh School of Medicine, Faculty instructor (John Mahoney, MD, Course Director). Pittsburgh, PA

2007 "Abdominal emergencies in children: red flags for the clinician." Three Rivers Clinical Pediatric Update, Children's Hospital of Pittsburgh, May 2007, Pittsburgh, PA

2007 "Early recognition and management of shock in the child." University of Pittsburgh Affiliated Residency in Emergency Medicine, Grand Rounds. Pittsburgh, PA

2008 Symposia Medicus 12th Annual Spring Conference on Pediatric Emergencies: "The early recognition and treatment of the child with shock;" "Controversial issues of seizure management in children;" "Minor injuries and urgencies: quick fixes and when to refer;" "Non-traumatic abdominal emergencies in the pediatric patient: red flags for clinicians." Faculty instructor, West Indies.

2008 "Managing the infant and young child with fever: using the literature and clinical experience to guide your decisions." In: "Getting Ready for Residency Workshop." University of Pittsburgh School of Medicine, Faculty instructor (Susan Dunmire, MD, Course Director). Pittsburgh, PA

2008 "Early recognition and management of shock in the child." University of Pittsburgh Affiliated Residency in Emergency Medicine, Grand Rounds. Pittsburgh, PA

2008 American Academy of Pediatrics, Section on Emergency Medicine: PREP-EM (Intensive review of pediatric emergency medicine). Faculty instructor, August 2008, Boston, MA; Chair-elect, Planning Committee (2009)

2009 Faculty: Vermont Summer Pediatric Seminar, Manchester Village, VT. Lectures: "Early recognition and management of shock in the pediatric patient," "Abdominal emergencies," "Minor injuries and urgencies," "Update on CPR, BLS and ALS."

2009 "Managing the infant and young child with fever: using the literature and clinical experience to guide your decisions." In: "Getting Ready for Residency Workshop." University of Pittsburgh School of Medicine, Faculty instructor (Susan Dunmire, MD, Course Director). Pittsburgh, PA

2009 "Early recognition and management of shock in the child-Update and review." University of Pittsburgh Affiliated Residency in Emergency Medicine, Grand Rounds. Pittsburgh, PA

2009 "Symposia Medicus 25th Annual Fall Conference on Pediatric Emergencies: "The early recognition and treatment of the child with shock;" "Update on ABCs of pediatric advance life support;" "Minor injuries and urgencies: quick fixes;" "Non-traumatic abdominal emergencies in the pediatric patient: red flags for clinicians." Faculty instructor, Aruba.

2010 American Academy of Pediatrics, Section on Emergency Medicine: PREP-EM (Intensive review of pediatric emergency medicine). Faculty instructor, August 2010, Chicago, IL.

2010 "Symposia Medicus 10th Annual Winter Conference on Pediatric Emergencies: Update on ABCs of pediatric advance life support;" "Minor injuries and urgencies: quick fixes;" "Non-traumatic abdominal emergencies in the pediatric patient: red flags for clinicians." Faculty instructor, Keystone, CO.

2010 "Evaluation of the febrile infant and young child." In: "Getting Ready for Residency Workshop." University of Pittsburgh School of Medicine, Faculty instructor (Susan Dunmire, MD, Course Director). Pittsburgh, PA

2011 "Managing the infant and young child with fever: using the literature and clinical experience to guide your decisions." In: "Getting Ready for Residency Workshop." University of Pittsburgh School of Medicine, Faculty instructor (Susan Dunmire, MD, Course Director). Pittsburgh, PA

2012 Symposia Medicus 12th Annual Winter Conference on Pediatric Emergencies: "Update on ABCs of pediatric advance life support;" "Injuries and urgencies: quick fixes and when to refer;" "Non-traumatic abdominal emergencies in the pediatric patient: red flags for clinicians." Faculty instructor, Keystone, CO.

2012 "Office preparedness for emergencies: is there a right answer?" Three Rivers Clinical Pediatric Update, Children's Hospital of Pittsburgh, May 2013, Pittsburgh, PA

2012 American Academy of Pediatrics, Section on Emergency Medicine: PREP-EM (Intensive review of pediatric emergency medicine). Chair, Planning Committee. Course Director, August 2012, Denver, CO.

2014 Symposia Medicus 25th Annual Spring Conference on Pediatrics: "Non-traumatic abdominal emergencies in the pediatric patient," Minor Injuries & Urgencies," "Office Preparedness for Pediatric Emergencies." Faculty instructor, Lahaina, HI

2015 Symposia Medicus 20th Annual Spring Conference on Pediatric Emergencies: "Non-traumatic abdominal emergencies in the pediatric patient," "Ten articles from the pediatric emergency medicine literature: will you change your practice," "Pediatric emergency medicine potpourri: what you should know by now," "Pediatric office preparedness: are you prepared." Faculty instructor, St. Thomas, VI

2016 "Highlights from the Pediatric Emergency Medicine Literature – Some things old, some things new." Three Rivers Clinical Pediatric Update, Children's Hospital of Pittsburgh, May 2016, Pittsburgh, PA

2016 American Academy of Pediatrics, Section on Emergency Medicine: PREP-EM (Intensive review of pediatric emergency medicine). Faculty instructor, August 2016, Chicago, IL.

2019 Symposia Medicus 30th Annual Spring Conference on Pediatrics: "Office preparedness for urgencies and emergencies." "Office urgencies and procedures" quick fixes and when to refer," "Topical review of pediatric emergency medicine literature: will you change your practice?" "Non-traumatic abdominal emergencies: red flags and nuances." Faculty instructor, Grand Cayman, CI

2019 "Pediatric Emergency Medicine Division Chief – Is it terminal?" Pediatric Academic Societies 2019 Annual Meeting (Pediatric Emergency Medicine North American Chiefs Annual Session). Invited/lead faculty, Baltimore, MD.

Mentoring

Pediatric Emergency Medicine Training Programs: Scholarship Oversight Committee Faculty Mentor

Institution	Mentored (years)
Boston Children's Hospital (Harvard Medical School)	Fifty-two fellows in training (1990-2000)
Children's Hospital of Pittsburgh (University of Pittsburgh SOM)	Seventy-eight fellows in training (2000-present)

Medical Scientist Training Program, University of Pittsburgh Longitudinal Clinical Clerkship for MD-PhD students

Student	Years mentored
Justin Baca	2005-2007
Rekha Repaka	2008
Aaron Secrest	2008-2009
David Sturman	2010-2011

Master's Thesis Essay Reader: University of Pittsburgh School of Public Health

Student	Year
Erica E. Short	2018
Grace Hutzko	2020
Isabel J. Damazo	2022
Kuan U Steven Cheung	2023
Cassandra Demarest	2024

Mentoring of Advanced Practice Providers: Promotion Ladder Mentorship, UPMC Children's Hospital: 2007-2018

Advanced Practice Provider (APP)	Project Title	Promotion to
Deb Hornyak	No project required at the time of promotion	Senior APP
April Hollenbeck	Development of a pre-assessment sedation form to reduce adverse events related to sedation	Senior APP
Laura Pete	Reducing specimen collection errors for neonatal conjunctivitis testing in the emergency department	Senior APP
Laura Pete	Formalization of the orientation process of newly hired APPs in the ED by creation of a new hire handbook	Senior APP
Erin Madden	Development of anxiolysis protocol using IN Fentanyl, nitrous and hematoma block for reduction of distal radius or ulna fractures in the ED	Senior APP
Jenny Petrone	Lyme disease follow up guidelines	Senior APP
Jenny Petrone	Development of an APP student orientation handbook	Expert APP
Julie Giuffre	Urine dipstick for UTIs to help reduce ED length of stay	Senior APP
Jodee Stevens	Development and tracking of a committee and practice guideline for patients who present to the ED after a sexual assault.	Senior APP

College and high-school student mentoring through clinical shadowing and guided discussion sessions: 2000-present

Maeve Ward	Molly Hill	Emily Steliotis	Dane Bluestone	Nico Baldwin
Evan Fisch	Gina Barden	Julia Pyko	Niles Welchering	Alex Zafiris
Adam Attar	Erin Isaac	Tricia Glavin	Bailey Bergman	Elizabeth Schmitz
Alexis Cameron	Talia Brinton	Satya Iyer	Mehta Hailey	Jill Pollon
Alexa Guzzy	Julia Scanlon	Jenna Dischner	Lorencia Cortez	Joseph Straka
Lea Giotto	Sarah Straka	James Nagel	Madeline Braksick	Kathryn Moran
Jeremy Zura	Kendall Pearson	Andres Hubsch	Sophia Bunde	Carly Koza
Sophia Perry	Leo Hill	Kalyn Hicks	Scarlett Hudson	Luke Giannetta
Talia Caridi	Ryan McNelis	Karina Solmon	Alana Davidson	Grace Evans
Anvay Raje	Avi Patel	Madeline Prenni	Alexis Jones	Margaret Lazzara
Nils Wildberg	Emma McGahan	Connor Luck	Jack Bertram	Josephine Courtney

Irish Compass: University of Notre Dame Alumni Association and Career Center online community for professional growth and development. This platform allows alumni to give back by serving as mentors to Notre Dame students and graduates, sharing insights and perspectives with those who are navigating the early stages of their careers.

- Claudia Torres 2018
- Kathryn Moran 2019
- Finnula Mageras 2019
- Talia Caridi 2019
- Gretta Steighauf 2020
- Karina Solman 2021
- Patricia Curtin 2021
- Helton Rodriguez 2022
- Maria Alexandra Sheppard 2022
- Francesca Taylor 2022
- Sarah Honegger 2022
- Kayla Nguyen 2022
- Caroline Wrigley 2023
- Reagan Long 2023
- Madeline Prenni 2023
- Reagan Long 2023
- Caroline McCaffrey 2023
- Oscar Gleeson 2023
- Francesca Taylor 2023
- Mia Scrabis 2024
- Haley Nieman 2025
- Nina T. Padanilam 2025
- Anne Ritter 2025
- Hayley Nguyen 2025
- Sadbh Boylan 2025
- Sarah Sterba 2025
- Christina DeRosa 2026

University of Notre Dame Meruelo Family Center for Career Development: Coaching of pre-medical and pre-health major students in preparation for medical school interviews. Traditional and MMI (Multiple Mini-Interview) techniques are used as part of coaching sessions and mock interviews. ***Note:*** *Meruelo Family Center for Career Development was active 2021-2024.*

- Sammy Garcia 2021
- Shannon Steines 2021
- Patricia Curtin 2022
- Kristina Lynch 2022
- Isabella Gomez 2022
- Jasmine Sindelar 2022
- Sarah Chong 2022
- Savannah Vetterly 2022
- Maryna Chuma 2023
- John Campbell 2023
- Alex Mistichelli 2023

- Tamra Shea 2023
- Kristina Lynch 2024

RESEARCH

Current Grant Support:

Past Grant Support:

Grant Number	Grant Title	Role in Project	Years Inclusive	Source, Amount
	Pathophysiology and treatment of septic shock	Co-PI; 10% effort	1991-1993	Associates of Cape Cod $50,000
	Studies on protein C for treatment of *Neisseria meningitidis* sepsis	PI; 10% effort	1994	Immuno AG $10,000
	Development of an infant rat model to evaluate the protective activity of pneumococcal antibodies	PI; 10% effort	1995-1997	WHO Global Programme for Vaccines and Immunizations $250,000
	Evaluation of the protective capacity of anti-pneumolysin antibodies in an infant rat model of pneumococcal infection	PI; 10% effort	1997-1998	Wyeth-Lederle Vaccines and Pediatrics $20,000
R01 HD055986	Novel approaches to screening for inflicted childhood neurotrauma	Co-I PI: Rachel Berger	2009-2015	NIH
PCORI PRO 13100176	Using the electronic medical record to improve outcomes and decrease disparities in screening for child physical abuse	Co-I PI: Rachel Berger	2013-2017	NIH

Scientific journals ad hoc reviewer:
Pediatrics
Annals of Emergency Medicine
Pediatric Emergency Care
Pediatric Infectious Disease Journal
Academic Emergency Medicine
Pediatric Critical Care Medicine
Clinical Pediatric Emergency Medicine
Emergency Medicine Journal

National academy/meeting abstract reviewer:
Annually 1998 – 2019:

Reviewer, Scientific abstracts for annual Pediatric Academic Societies, Society for Pediatric Research (PAS-SPR) national meetings.

LIST OF CURRENT RESEARCH INTERESTS

- Septic shock in children – particularly screening tools and early identification
- Inflicted trauma in children – particularly screening tools and early identification
- Process and efficiency improvement in the emergency department
- Scholarly curriculum development: establishing trust in young children (Baruch Krauss, PI)
- Scholarly curriculum development: leadership training
- Scholarly curriculum development: intentional career development

INVITED SEMINARS AND LECTURESHIPS

Local:

1991 "Occult abdominal injuries in childhood." Anesthesia Grand Rounds Children's Hospital, Boston, MA

1992 "A recombinant endotoxin neutralizing protein improves survival in rabbits with E. coli sepsis." Longwood Area Trauma Center Research Seminar, Department of Surgery, Brigham and Women's Hospital, Boston, MA

1994 "New approaches to the management of sepsis." Medicine Grand Rounds, Children's Hospital, Boston, MA

1994 "Fevers through the ages." Emergency Medicine Grand Rounds, Sturdy Memorial Hospital, Boston, MA

2000 "Treatment and prevention of serious bacterial infections: lessons from the laboratory." Medicine Grand Rounds, Children's Hospital, Boston, MA

2000 "Treatment and prevention of serious bacterial infections: from the bench to the bedside." Pediatric Grand Rounds, Children's Hospital of Pittsburgh, Pittsburgh, PA

Regional:

2003 "Pediatric surgical emergencies." Multidisciplinary Grand Rounds, Passavant Hospital, UPMC, Pittsburgh, PA

2006 "Evaluation and management of the febrile young infant and young child, 2006." Multidisciplinary Grand Rounds, Passavant Hospital, UPMC, Pittsburgh, PA

2010 "Bringing personal values to the professional workplace." Trinity Seminary Invited Speaker Series, Ambridge, PA

2011 "Personal values in the professional workplace." Trinity Seminary Invited Speaker Series, Ambridge, PA

2011 "Navigating an emergency." Children's Hospital of Pittsburgh Foundation Presentation, Pittsburgh, PA

2013 "Leadership formation: values in the workplace." Pittsburgh Fellows Program, Pittsburgh, PA

2014 "Navigating an emergency." Children's Hospital of Pittsburgh Foundation Presentation, Pittsburgh, PA

2014 "Leadership formation: values in the workplace." Pittsburgh Fellows Program, Pittsburgh, PA

2017 "Leadership formation: values in the workplace." Pittsburgh Fellows Program, Pittsburgh, PA

National:

1992 "Gram-negative sepsis: current concepts of pathophysiology; current and future directions of treatment." Medicine Grand Rounds, Children's Hospital Medical Center, Cincinnati, OH

1998 "The febrile child." University of Cincinnati, Department of Emergency Medicine: Invited Faculty, State of the Art Emergency Care: Pediatric Emergencies. Cincinnati, OH

1999 Maine Medical Center: 9th Annual Lawrence Memorial Pediatric and Young Adult Day, Invited Faculty: "Evaluation of fever in the infant and young infant." Portland, ME.

1999 "Management of sepsis: from bench to bedside." The Helen L. DeRoy Distinguished Visiting Professorship, Children's Hospital of Michigan, Detroit, MI

2013 "The evolution of resuscitation: history, art and science." The Bruce M. Fehr Memorial Lecture, Children's Hospitals and Clinics of Minnesota Grand Rounds. Minneapolis, MN.

2017 "Developing effective strategies for implementing change in clinical practice." Radcliffe Institute for Advanced Study, Harvard University. Engaging the pediatric patient: designing a curriculum for establishing trust and alleviating fear. Invited faculty. November 2017, Cambridge, MA.

2019 "Designing a research agenda for establishing trusting relationships with children." Radcliffe Institute for Advanced Study, Harvard University. Engaging the pediatric patient: designing a curriculum for establishing trust and alleviating fear. Invited faculty. November 2019, Cambridge, MA.

2019 "Pediatric Emergency Medicine Division Chief – Is it terminal?" Pediatric Academic Societies 2019 Annual Meeting (Pediatric Emergency Medicine North American Chiefs Annual Session). Invited faculty, Baltimore, MD.

International:

1991 "Utility of serum interleukin-6 for diagnosis of invasive bacterial disease in children." International Symposium on IL-6: Physiopathology and clinical potentials, Montreux, Switzerland. Invited presenter.

1992 "Effect of an endotoxin neutralizing protein in an E. coli sepsis model in the rabbit." International Endotoxin Society Meeting, Vienna, Austria. Invited presenter.

SERVICE

Local: Hospital

Clinical Effectiveness Guidelines Committees, Clinical Pathways Committee. Physician lead or Co-lead and co-author of Clinical Effectiveness Guidelines.

1. Asthma
2. BMT (Bone marrow transplant) and fever
3. Bronchiolitis
4. Cancer and fever
5. CSF pleocytosis
6. Diabetes and DKA (Diabetic ketoacidosis)
7. Evaluation and management of fever in cancer and BMT patients
8. Evaluation and management of febrile infants 60 days and younger
9. Septic shock
10. Pain management
11. Sickle cell pain crisis

Local: School of Medicine, Departmental (as of July 1, 2000)

2000-2018
Division Chiefs Committee
Department of Pediatrics Operations Committee
Provider Relations Committee
Medical Advisory Committee (Trauma-Medical Multidisciplinary committee)
Respiratory Care Committee (originally Asthma Guidelines Committee prior to 2002)
Procedures Committee
Emergency Medical Services Council
Clinical Effectiveness Committee

2001-2018
Clinical Resource Management Committee
Pediatric Surgery Clinical Effectiveness Team
Clinical Steering Committee
Physicians Advisory Committee
Environment of Care Committee: Chair of the Clinical Care Task Force (2001-2004)
Census Committee

2002-2918
Emergency Medicine Quality Improvement Forum, University of Pittsburgh Medical System
Respiratory Care Committee
Incentives Program Committee, Department of Pediatrics

2003-2012
Reappointment Process/Service Standards Subcommittee of the Service Council
Combined Supply Analysis Committee

2004-2918
Emergency Department Process Improvement Task Force: Physician leader

2006-2018
FirstNET Steering Committee: Physician leader: leadership group guiding on the build, implementation and maintenance/development of the electronic medical record and electronic patient tracking systems

2007-2018
FirstNET Phase 2 Steering Committee: Physician leader: leadership group guiding the build and implementation of the physician electronic medical record (PowerNote ED); maintenance and development of EMR

2010-2012
Children's Hospital of Pittsburgh Clinical Council

2010-2018
Children's Hospital of Pittsburgh Disaster Leadership Committee

2011-2019
Children's Hospital of Pittsburgh Strategic Initiatives Committee (CSI)
Children's Hospital of Pittsburgh Telemedicine Steering Committee
Children's Hospital of Pittsburgh Clinical Mobility Committee

2012-present
Department of Pediatrics Promotions Committee, University of Pittsburgh School of Medicine
Core Competency Committee, Pediatric Emergency Medicine Fellowship Program, Children's Hospital of Pittsburgh

2014-2018
Non-Tenured Faculty Promotions and Appointments (NTFPA) Committee; University of Pittsburgh School of Medicine

2015
Children's Hospital of Pittsburgh Medical Executive Committee of the Medical Staff: Nominations Committee

2016-2018
Department of Pediatrics Division Directors Council
Department of Pediatrics Leadership Team

2017-2018
Emergency Department Interprofessional Leadership Team – Physician Lead

2017-2021
Department of Pediatrics Physician Compensation Committee

2018-2024
Utilization Review/Care Coordination Committee (UPMC Children's Hospital of Pittsburgh)
Clinical Documentation Improvement Initiative (Children's Hospital of Pittsburgh initiative)

2019-present
Information Management Committee (UPMC Children's Hospital of Pittsburgh)

2020-2022
Chair: Leadership Development Priority Workgroup, UPMC Children's Hospital of Pittsburgh Vision 2025 People Pillar Committee

2020-present
Chair: Department of Pediatrics Promotions & Appointments Committee

2021-2022
Chair: Department of Pediatrics Search Committee. Search for Division Director, Division of Child Advocacy

2021-2023
Chair: Cerner Documentation Champions Committee, UPMC Children's Hospital of Pittsburgh

2025
Member: Department of Pediatrics Search Committee. Search for Associate Vice Chair of Clinical Affairs for Ambulatory Services

National:

2000-2012
Planning Committee Member.
American Academy of Pediatrics, Section on Emergency Medicine: PREP-EM

2008-2012
Chair and Course Director.
American Academy of Pediatrics, Section on Emergency Medicine: PREP-EM

International:

2005-2006:

UPMC Qatar Emergency Medicine Services Development Program (Pediatric Emergency Medicine): *Subject Matter Expert*

- Invited expert:
    - Traveled to Doha, Qatar to review the pediatric emergency medicine program for the country of Qatar.
    - Analysis and recommendations generated and presented to the Qatar Ministry of Health-UPMC leadership collaborative.

2019 – 2025:

UPMC Kazakhstan Clinical Academic Departments (Pediatrics) Development Program: *Subject Matter Expert*

- 2019: Invited expert:
    - Extensive review of Academic Departments in the Nazarbayev University Medical System (Astana, Kazakhstan).

    - Extensive preparation of Clinical Academic Department (CAD) organizational strategic planning for the new Nazarbayev School of Medicine, inpatient and outpatient divisions and services, and for student and resident education.
    - Travel to Kazakhstan June 2019 for faculty and staff interviews, tours of physical plants, presentation of Clinical Academic Department organizational proposal (leadership, financials, staffing, residency programs, educational programs, clinical services, research programs).
- 2023: Kazakhstan physician mentorship program.
    - One of two primary mentors for the UPMC Children's Hospital of Pittsburgh-Kazakhstan Clinical Academic Departments Development Program.
    - Responsible for the primary mentorship of each physician visiting from the Kazakhstan Nazarbayev School of Medicine and affiliated medical practices.

COMMUNITY SERVICE:

2017- Quaker Valley School District Team Physician, Sewickley, PA

2019-2020 Quaker Valley School District Return to School Planning Committee (COVID-19 Health & Wellness Subcommittee), Sewickley, PA