

CURRICULUM VITAE

Name: Richard Anthony Saladino

Business: Division of Pediatric Emergency Medicine
Children's Hospital of Pittsburgh
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EDUCATION AND TRAINING

UNDERGRADUATE:

8/76-5/80 University of Notre Dame, Notre Dame, IN BS, 1980 Science

GRADUATE:

8/81-5/85 University of Missouri School of Medicine, Columbia, MO MD, 1985 Medicine

POSTGRADUATE:

6/1985-6/1986 Children's Hospital Medical Center, Cincinnati, OH Intern in Pediatrics
PD: Michael Farrell, MD

7/1986-6/1988 Children's Hospital Medical Center, Cincinnati, OH Resident in Pediatrics
PD: Michael Farrell, MD

7/1988-6/1990 Children's Hospital, Boston, MA Fellow in Pediatric Emergency Medicine
PD: Grace Caputo, MD

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
2019 University of Pittsburgh Advanced Faculty Leadership Academy
2019 Academic Pediatric Association Advancing Pediatric Leaders Faculty Coach Program

APPOINTMENTS AND POSITIONS

ACADEMIC:

7/1988-6/1990 Harvard Medical School, Boston, MA Clinical Fellow of Pediatrics

7/1990-4/1994 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

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 Master Educators

2011- University of Pittsburgh School of Medicine
Pittsburgh, PA Professor of Pediatrics

2019- Department of Pediatrics, UPSOM Associate Vice Chair, Faculty Development

NON-ACADEMIC:

7/1988-6/1989	Children's Hospital, Boston, MA	Clinical Fellow in Medicine
7/1989-6/2000	Children's Hospital, Boston, MA	Assistant in Medicine
7/1989-6/2000	Metrowest Medical Center, Framingham, MA	Assistant in Medicine
7/1998-6/2000	Winchester Hospital, Winchester, MA	Assistant in Medicine
7/1998-6/2000	Southshore Hospital, Weyland, MA	Assistant in Medicine
7/2000-12/2018	Children's Hospital of Pittsburgh, Pittsburgh, PA	Chief, Division of Pediatric Emergency Medicine
7/2000-12/2018	Children's Hospital of Pittsburgh, Pittsburgh, PA	Medical Director, Emergency Department
8/2000-	Children's Hospital of Pittsburgh, Pittsburgh, PA	Active Staff Physician
10/2007-7/2009	UPMC Passavant-Cranberry, Cranberry, PA	Chief, Community Pediatric Emergency Medicine
4/2016-4/2018	Children's Hospital of Pittsburgh, Pittsburgh, PA	Interim Chief, Division of Newborn Medicine

CERTIFICATION AND LICENSURE**SPECIALTY CERTIFICATION:**

American Board of Pediatrics	Pediatrics #211507	1989
	Recertification	1999
American Board of Pediatrics	Pediatric Emergency Medicine #183	1992
	Recertification	1999, 2006, 2016

MEDICAL LICENSURE:

National Board of Medical Examiners	#315227	1986
Ohio State Medical Board-limited		6/1985-8/1988
Massachusetts Board of Licensure	#59783	7/1988-3/2001
Commonwealth of Pennsylvania Board of Medicine		8/2000-

OTHER CERTIFICATION:

Advanced Cardiac Life Support Provider	1987, 2003, 2006, 2010, 2014
Advanced Pediatric Life Support Instructor	1989-2000
Advanced Trauma Life Support Instructor	1991-present
-Reverification	2001, 2005, 2009, 2013
Pediatric Advanced Life Support Provider	2000-present
Pediatric Advanced Life Support Instructor	2000-present

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

Society for Pediatric Research	1998-
American Academy of Pediatrics	2002-
Academy of Master Educators, University of Pittsburgh School of Medicine	2006-
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
Best Oral Basic Science Presentation, Society of Academic Emergency Medicine	1994

PUBLICATIONS

1. Original Peer Reviewed Articles

1. **Saladino R**, Bachman D, Fleisher G: Arterial access in the pediatric emergency department. *Ann Emerg Med* 1990; 19:382-385. PMID:2321823
2. 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
3. **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
4. **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
5. **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
6. **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
7. **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
8. 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
9. 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
10. 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
11. 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.
12. 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
13. **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
14. 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

15. 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
16. **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
17. 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
18. 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
19. 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
20. 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
21. 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.
22. 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
23. 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 pneumococci. *Infect Immun* 2001 Aug;69(8):4870-3. PMID: 11447162
24. 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
25. 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
26. 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
27. 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
28. Thomas DG, Collins MW, **Saladino RA**, Frank V, Raab J, Zuckerbraun NS. 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
29. 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
30. Afrooz PN, Grunwaldt L, Zanon 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
 31. 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
 32. 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.
 33. 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.
 34. Krishnamurti L, Smith-Packard B, Gupta A, Campbell M, Gunawardena S, **Saladino RA**. 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
 35. 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.
 36. 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
 37. Ramgopal S, Ivan Y, Medsinghe A, **Saladino RA**. Pediatric necrotizing pneumonia: a case report and review of the literature. *Pediatr Emerg Care* *Pediatr Emerg Care.* 2017 Feb;33(2):112-115. doi: 10.1097/PEC.0000000000000585. Review. PMID: 26785088
 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. A 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* 2016. Nov 22. pii: S0022-3476(16)31185-4. doi: 10.1016/j.jpeds.2016.10.051. [Epub ahead of print]
 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/j.pediatrics.2017.04.029. 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. 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
47. 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
48. 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
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*. 2018 Oct 29;9922818809518. doi: 10.1177/0009922818809518. [Epub ahead of print] 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*. (in press).

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 Feb 2019
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. 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
12. **Saladino RA,** Conti K. Pediatric blunt abdominal trauma: Initial evaluation and stabilization. In: *UpToDate,* Wiley JF (Ed), UpToDate, Waltham, MA. June 2019.
13. **Saladino RA.** Emergency Department approach to nontraumatic headache in children. In: *UpToDate,* Wiley JF (Ed), UpToDate, Waltham, MA. Oct 2019.
14. Weberding NT, **Saladino RA.** Pediatric Burns. *Practical Algorithms in Pediatric Emergency Care.* [In press]

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; 7th edition 2015.

5. Published abstracts

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.)
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.
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.
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.
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.
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 RA**, 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 RA**. 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)

PROFESSIONAL ACTIVITIES

TEACHING:

Medical Students

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	60-75
2007-2008	Faculty Instructor	Pre-clerkship Program: Patient Assessment Workshop for Medical Students	UPSOM (John Mahoney, MD, Course Director)	50	1
2007-2011	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	Instructor	Topics in Pediatric Emergency Medicine (didactic)	Boston Children's Hospital: Pediatric, Family Medicine, Emergency Medicine residents, PGY1-PGY4	4-10	24
1990-2000	Instructor	Workshop - Wound management	Boston Children's Hospital: Pediatric, Family Medicine, Emergency Medicine residents, PGY1-PGY4	4-10	24
2000-2017	Instructor	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	Instructor	Department of Emergency Medicine Grand Rounds (didactic) - selected topics in Pediatric Emergency Medicine	UPSOM Department of Emergency Medicine residents	20-24	1
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Fellow Teaching

Date	Role	Title of session	Learner	No of learners/session	No of sessions/year
1990-2000	Instructor	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	Instructor	Workshop - Wound management	Boston Children's Hospital: Pediatric Emergency Medicine Fellows, PGY4-PGY7	4-15	2
1990-2000	Instructor	Workshop - Pediatric Emergency Medicine critical procedures animal laboratory	Boston Children's Hospital: Pediatric Emergency Medicine Fellows, PGY4-PGY7	4-15	1
1990-2000	Instructor	Workshop - Pediatric vascular access laboratory	Pediatric Emergency Medicine Fellows, PGY4-PGY7	4-15	1
1997	Instructor	"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	Instructor	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	Instructor	Workshop - Wound management	UPMC Children's Hospital of Pittsburgh: Pediatric Emergency Medicine Fellows, PGY4-PGY7	3-9	1
2000-current	Instructor	Workshop - Pediatric vascular access laboratory	UPMC Children's Hospital of Pittsburgh: Pediatric Emergency Medicine Fellows, PGY4-PGY7	3-9	1
2000-current	Mentor, presenter	Professional and career development	UPMC Children's Hospital of Pittsburgh: Pediatric Emergency Medicine Fellows, PGY4-PGY7	3-9	1

Curriculum Development and Teaching products

Date	Role	Curriculum, program, product		No of learners/ session	No of sessions/ year
2000-2001	Division Chief, Pediatric Emergency Medicine	Creation of the full curriculum and authorship 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 fully credentialled February, 2001		
2000-2012	Member, Planning Committee	American Academy of Pediatrics, Section on Emergency Medicine: PREP-EM	Intensive review course in pediatric emergency medicine	270-300	1 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
2019-current	Associate Vice Chair, Office of Faculty Development; Curriculum/Course Developer	Developed Department of Pediatrics Leadership Excellence Series: Including-Division Chief and Center Director leadership best practices; Finance IQ for Directors; Running an effective meeting; The art of negotiation; Bias in our professional lives; Mentorship skills development; Managing difficult conversations; Navigating the academic promotion process; Faculty recruitment strategies	UPSOM, Department of Pediatrics, Division Chiefs and Center Directors	18-22	6-8

Invited teaching, Continuing medical education 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 "Occult abdominal injuries in childhood." Anesthesia Grand Rounds Children's Hospital, 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 "Fever 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 "Fever 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: "Fever 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 “Academic Promotion.” ICRE Master Program, Professional Development. Faculty instructor. University of Pittsburgh School of Medicine, Pittsburgh, PA
- 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.
- 2020 “Academic Promotion and Career Development.” ICRE Master Program, Professional Development. Faculty instructor. University of Pittsburgh School of Medicine, Pittsburgh, PA

Other invited seminars and lectures:

- 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
- 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.

Individual Mentoring:

Pediatric Emergency Medicine Training Programs: Scholarship Oversight Committee and Faculty Mentor

Boston Children’s Hospital Fifty-two fellows in training (1990-2000)
 Children’s Hospital of Pittsburgh Fifty-three fellows in training (2000-2019)

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

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

Mentoring of Advanced Practice Providers: Promotion Ladder Mentorship, UPMC Children’s Hospital of Pittsburgh

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:

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	Kaylyn Hicks
Sophia Perry	Leo Hill	Scarlett Hudson	Luke Giannetta	Carly Koza
Talia Caridi				

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 fellow alumni and students, sharing their 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

OTHER PROFESSIONAL ACTIVITIES:

Ad hoc reviewer, Journals:

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:

Reviewer, Scientific abstracts for annual Pediatric Academic Societies - Society for Pediatric Research (PAS-SPR) national meetings (annually since 1998)

RESEARCH FUNDING:

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
	Studies on protein C for treatment of <i>Neisseria meningitidis</i> sepsis	PI; 10% effort	1994	Immuno AG
	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

	Evaluation of the protective capacity of anti-pneumolysin antibodies in an infant Rhett model of pneumococcal infection	PI; 10% effort	1997-1998	Wyeth-Lederle Vaccines and Pediatrics
R01 HD055986	Novel approaches to screening for inflicted childhood neurotrauma	Co-I	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	2013-2017	NIH

LIST OF CURRENT RESEARCH INTERESTS

1. Evaluation and management of acute illness and injury in children
2. Septic shock in children – particularly screening tools and early identification
3. Inflicted trauma in children – particularly screening tools and early identification
4. Scholarly approaches to leadership training for faculty
5. Scholarly curriculum development: establishing trust in young children (Baruch Krauss, PI)

INVITED GRAND ROUNDS, SEMINARS AND LECTURESHIPS

- 1992 "Gram-negative sepsis: current concepts of pathophysiology; current and future directions of treatment." Medicine Grand Rounds, Children's Hospital Medical Center, Cincinnati, OH
- 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
- 1994 "New approaches to the management of sepsis." Medicine Grand Rounds, Children's Hospital, Boston, MA
- 1994 "Fever through the ages." Emergency Medicine Grand Rounds, Sturdy Memorial Hospital, Boston, MA
- 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
- 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
- 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
- 2013 Bruce M. Fehr Memorial Lecture: “The evolution of resuscitation: history, art and science.” Children’s Hospitals and Clinics of Minnesota. November 2013, 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 “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.

SERVICE (as of July 1, 2000):

2000-present

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-present

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-present

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-present

Emergency Department Process Improvement Task Force: Physician leader

2006-present

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-present

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-present

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

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

2016 – Present

Department of Pediatrics Leadership Team

2017 – 2018

Emergency Department Interprofessional Leadership Team – Physician Lead

2017 – Present

Department of Pediatrics Physician Compensation Committee

2018 – Present

Utilization Review/Care Coordination Committee (Children's Hospital of Pittsburgh)

Clinical Documentation Improvement Initiative (Children's Hospital of Pittsburgh initiative)

2019 – Present

Information Management Committee (Children's Hospital of Pittsburgh)

Hospital Clinical Practice Guidelines Committees, Clinical Pathways Committee; Physician lead or co-lead:

Asthma

Bronchiolitis

Diabetes and DKA (diabetic ketoacidosis)

Evaluation and management of fever in the cancer and BMT patient

Sickle cell pain crisis

CSF pleocytosis

Pain Management

Evaluation and management of febrile infants 60 days and younger

Cancer and fever
BMT (Bone marrow transplant) and fever