

CURRICULUM VITAE

BIOGRAPHICAL

Name: Robert W. Hickey, MD, FAAP, FAHA

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Pittsburgh, PA 15224

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EDUCATION AND TRAINING

Undergraduate

1977-1981 Allentown College of
St Francis de Sales
Center Valley, PA B.S., 1981 Biology

Graduate

1981-1985 Thomas Jefferson University
College of Medicine
Philadelphia PA M.D., 1985

Post-Graduate

1985-1986 Sinai Hospital of Baltimore
Pediatric Internship
Department of Pediatrics
Director: Evan Charney, MD
Baltimore, MD

1986-88 Sinai Hospital of Baltimore
Pediatric Residency
Department of Pediatrics
Director: Kenneth Roberts, MD
Baltimore, MD

1987-1988 Sinai Hospital of Baltimore
Pediatric Chief Resident
Department of Pediatrics
Director: Kenneth Roberts, MD
Baltimore, MD

1988-1989 Medical Center of Delaware
Pediatric Liaison to the Department Emergency Medicine
Wilmington, DE

1989-1991 Children's Hospital of Pittsburgh
Pediatric Emergency Medicine
Department of Pediatrics
Medicine Fellowship
Pittsburgh, PA
Director: Raymond B. Karasic, MD

APPOINTMENTS AND POSITIONS

Academic Positions

1991-1995 Children's Hospital of Columbus Assistant Professor of Pediatrics
Division of Emergency Medicine
The Ohio State University
Columbus, OH

1995-2001 Children's Hospital of Pittsburgh Assistant Professor of Pediatrics
Pediatric Emergency Medicine
The University of Pittsburgh
Pittsburgh, PA

2001-2012 Children's Hospital of Pittsburgh Associate Professor of Pediatrics
Pediatric Emergency Medicine
The University of Pittsburgh
Pittsburgh, PA

2011-2012 Associate Professor of Clinical and Translational Science
Clinical and Translational Science Institute
The University of Pittsburgh
Pittsburgh, PA

2012-Present Pediatric Emergency Medicine Director of Research
University of Pittsburgh
Pittsburgh, PA

2013-Present Professor of Pediatrics
 Pediatric Emergency Medicine
 The University of Pittsburgh
 Pittsburgh, PA

2013-Present Professor of Clinical and Translational Science
 Clinical and Translational Science Institute
 University of Pittsburgh
 Pittsburgh, PA

CERTIFICATION AND LICENSURE

Specialty Certification

1990-2006 American Board of Pediatrics
1992 American Board of Pediatrics, Sub-Board on Pediatric Emergency
 Medicine
 Recertified 2006
 Recertified 2017

Medical or Other Professional Licensure

1988 National Board of Medical Examiners
1989 Pennsylvania, #MD-041873E
1991 Ohio, #61945

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

1986-1987 American Academy of Pediatrics, Junior Fellow
1988-1991 American Academy of Pediatrics, Candidate Fellow
1991-present American Academy of Pediatrics, Fellow
1997-2009 American Association for the Advancement of Science
1998-2010 Society for Neuroscience
2001-present Society for Pediatric Research (SPR)
2001-2010 International Liaison Committee on Resuscitation
2005-present American Heart Association, Fellow
2011-present Pediatric Emergency Care Applied Research Network (PECARN)

HONORS

1980 Delta Epsilon National Catholic Honor Society
1981 Graduating Senior Award for Excellence in Biology Research
1981 BS, Magna Cum Laude

1984	Alpha Beta Chi Outstanding Graduate Award
1987	Chief Resident in Pediatrics
1995	Supplement to Pediatrics, Best Articles Relevant to Pediatric Allergy and Immunology: Albuterol Delivered Via Metered-Dose Inhaler with Spacer for Outpatient Treatment of Young Children with Wheezing
2000	Contemporary Pediatrics-Journal Club: The Top 10 of 1999. Outpatient Therapy for Infants with UTI
2000	Pediatric News, The Year's Best Articles on Infectious Diseases; Oral vs. Intravenous Therapy for UTI in Young Febrile Children
2002	Chairperson, International Liaison Committee on Resuscitation, Taskforce on Pediatric Resuscitation
2002	Chairperson, Pediatric Subcommittee American Heart Association
2002	Member International Liaison Committee on Resuscitation
2003	Outstanding Child Abuse Research Project of the Year (OSCAR), awarded at the 2003 San Diego Conference on Child and Family Maltreatment.
2005	Chairperson, Emergency Cardiovascular Care Committee, American Heart Association
2007	Conference Co-Chair, 2010 International Consensus Conference on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care
2009-2019	Best Doctors in America
2010-2012	Chairperson, American Heart Association Emergency Cardiovascular Care Business Management Committee
2016	Medical Student Research Mentoring Merit Award
2012-2019	Pittsburgh Magazine Best Doctors
2016	Top Peer Reviewer for Annals of Emergency Medicine
2019	Selected mentor for the Society of Pediatric Research 2019 Young Investigator Coaching Program

PUBLICATIONS

Refereed Articles

1. Hickey RW, Sodhi SK, Johnson WA. Two children with lethargy and intussusception. *Ann Emerg Med* 1990;19:390-392.
2. Franklin WH, Dietrich AM, Hickey RW, Brookens M. Anomalous left coronary artery masquerading as infantile bronchiolitis. *Pediatr Emerg Care* 1992;8:338-342.
3. Hickey RW, Bircher NG, Karasic RB. Evaluation of pretreatment with ATP-MgCl₂ in an animal model of asphyxial arrest. *Resuscitation* 1993;25:109-118.
4. Hoberman A, Chao HP, Keller DM, Hickey RW, Davis H, and Ellis D. Prevalence of urinary tract infections in febrile infants. *J Pediatr* 1993;123:17-23.
5. Hickey RW, Gochman RF, Chande VT, Davis HW. Albuterol delivered via metered-dose inhaler with spacer for outpatient treatment of young children with wheezing. *Arch Pediatr Adolesc Med* 1994;148:189-194.

6. Hickey RW, Cohen DM, Strausbaugh S, Dietrich AM. Pediatric patients requiring CPR in the prehospital setting. *Ann Emerg Med* 1995;25:495-501.
7. Hickey RW. Emergency versus casual pediatric emergency medicine. *Pediatr Emerg Care* 1995;11:255-257.
8. Strausbaugh S, Manley L, Hickey RW, Dietrich A. Circumferential pressure as a rapid method to assess intraosseous placement. *Pediatr Emerg Care* 1995;11:274-276.
9. Franklin WH, Hickey RW. Long QT syndrome. *N Engl J Med* 1995; 333:355.
10. Hickey RW, Akino M, Strausbaugh S, De Courten-Myers GM. Use of the Morris water maze and acoustic startle chamber to evaluate neurologic injury following asphyxial cardiac arrest in rats. *Pediatr Res* 1995;39:77-84.
11. Hickey RW, Bowman MJ, Smith GA. Utility of blood cultures in pediatric patients found to have pneumonia in the emergency department. *Ann Emerg Med* 1996;27:721-725.
12. Cohen DM, Garcia CT, Dietrich AM, Hickey RW. Miniature C-arm imaging: An *in vitro* study of detecting foreign bodies in the emergency department. *Ped Emerg Care* 1997;13:247-249.
13. Pitetti RD, Suman M, Hickey RW. Magnet-backed earrings, not just for decoration. *Ped Emerg Care* 1998;14:208-209.
14. Garcia SE, Hickey RW. Pediatric ocular trauma. *Ped Emerg Med Reports* 1998;3:87-98.
15. Hoberman A, Wald ER, Hickey RW, Baskin M, Charron M, Majd M, Kearney DH, Reynolds EA, Ruley J, Janosky JE. Oral versus initial intravenous therapy for urinary tract infections in young febrile children. *Pediatrics* 1999;104:79-86.
16. Hickey RW, Kochanek PM, Ferimer H, Graham SH, Safar P. Hypothermia and hyperthermia in children after resuscitation from cardiac arrest. *Pediatrics* 2000;106:118-122.
17. Hickey RW, Zhu RL, Alexander HL, Jin KL, Stetler RA, Chen J, Kochanek PM, Graham SH. 10kD mitochondrial matrix heat shock protein RNA is induced following global brain ischemia in the rat. *Molecular Brain Research* 2000;169:169-173.
18. Hickey RW, Ferimer H, Alexander HL, Garman RH, Callaway CW, Safar P, Graham SH, Kochanek PM. Delayed, spontaneous-hypothermia reduces neuronal damage after asphyxial cardiac arrest in rats. *Crit Care Med* 2000;28(10):3511-3516.
19. Pepe PE, Gay M, Cobb LA, Handley AJ, Zaritsky A, Hallstrom A, Hickey RW, Jacobs I, Berg RA, Bircher NG, Zideman DA, de Vos R, Callanan. Action sequence for layperson cardiopulmonary resuscitation. *Ann Emerg Med* 2001;37(4):S17-S25.

20. Schleien CL, Osmond MH, Hickey R, Hutchison J, Buunk G, Douglas IS, Wenzel V. Postresuscitation management. *Ann Emerg Med* 2001;37(4):S182-S195.
21. Kunlin J, Nagayama T, Mao X, Kawaguchi K, Hickey RW, Greenberg DA, Simon RP, Graham SH. Two caspase-2 transcripts are expressed in rat hippocampus after global cerebral ischemia. *Journal of Neurochemistry* 2002;81(1):25-35.
22. Pitetti RD, Maffei F, Chang K, Hickey R, Berger R, Pierce Mary Clyde. Prevalence of retinal hemorrhages and child abuse in children who present with an apparent life-threatening event. *Pediatrics* 2002;110(3):557-562.
23. Hickey RW, Zuckerbraun N. Pediatric cardiopulmonary arrest: Current concepts and future directions. *Pediatric Emergency Medicine Reports* 2003;8(1):1-12.
24. Hoberman A, Charron M, Hickey RW, Baskin M, Kearney DH, Wald ER. Imaging studies after a first febrile urinary tract infection in young children. *N Engl J Med* 2003;348:195-202.
25. Hickey RW, Kochanek PM, Ferimer H, Alexander HL, Garman RH, Graham SH. Induced hyperthermia exacerbates neurologic neuronal histologic damage after asphyxial cardiac arrest in rats. *Crit Care Med* 2003;31(2):531-535.
26. Graham SH, Hickey RW. Controversies in neurology. Cyclooxygenases in CNS diseases: a special role for COX-2 in neuronal cell death. *Arch Neurol* 2003;60:628-629.
27. Nolan JP, Morley PT, Vanden Hoek TL, Hickey RW, ALS Task Force. Therapeutic hypothermia after cardiac arrest. An advisory statement by the advanced life support task force of the international liaison committee on resuscitation. *Circulation* 2003;108:118-121
28. Nolan JP, Morley PT, Vanden Hoek TL, Hickey RW, ALS Task Force. Therapeutic hypothermia after cardiac arrest. An advisory statement by the advanced life support task force of the international liaison committee on resuscitation. *Resuscitation* 2003;57:231-235..
29. Samson RA, Berg RA, Bingham MBBS, FRCA, Biarent D, Coovadia A, Hazinski MF, Hickey RW Nadkarni V, Nichol G, Tibballs J, Reis AG, Tse S, Zideman D, Potts J, Uzark K, Atkins D. Use of automated external defibrillators for children: an update. An advisory statement from the pediatric advanced life support task force, international liaison committee on resuscitation. *Circulation* 2003;107:3250-3255.
30. Samson RA, Berg RA, Bingham MBBS, FRCA, Biarent D, Coovadia A, Hazinski MF, Hickey RW Nadkarni V, Nichol G, Tibballs J, Reis AG, Tse S, Zideman D, Potts J, Uzark K, Atkins D. Use of automated external defibrillators for children: an update. An advisory statement from the pediatric advanced life support task force, international liaison committee on resuscitation. *Pediatrics* 2003;112:163-168.
31. Samson RA, Berg RA, Bingham MBBS, FRCA, Biarent D, Coovadia A, Hazinski MF, Hickey RW Nadkarni V, Nichol G, Tibballs J, Reis AG, Tse S, Zideman D, Potts J, Uzark K, Atkins D. Use of automated external defibrillators for children: an update. An advisory statement from the pediatric

advanced life support task force, international liaison committee on resuscitation. *Resuscitation* 2003;57:237-43.

32. Hazinski MF, Markenson D, Neish S, Gerardi M, Hootman J, Nichol G, Taras H, Hickey R, O'Connor R, Potts J, van der Jagt E, Berger S, Schexnayder S, Garson A Jr, Doherty A, Smith S. Response to cardiac arrest and selected life-threatening medical emergencies: The medical emergency response plan for schools. *Ann Emerg Med* 2004;43:83-99.
33. Hazinski MF, Markenson D, Neish S, Gerardi M, Hootman J, Nichol G, Taras H, Hickey R, O'Connor R, Potts J, van der Jagt E, Berger S, Schexnayder S, Garson A Jr, Doherty A, Smith S. Response to cardiac arrest and selected life-threatening medical emergencies: The medical emergency response plan for schools. *Circulation* 2004;109:278-91.
34. Hazinski MF, Markenson D, Neish S, Gerardi M, Hootman J, Nichol G, Taras H, Hickey R, O'Connor R, Potts J, van der Jagt E, Berger S, Schexnayder S, Garson A Jr, Doherty A, Smith S. Response to cardiac arrest and selected life-threatening medical emergencies: The medical emergency response plan for schools. *Pediatrics* 2004;113:155-168.
35. Fink EL, Alexander H, Marco CD, Dixon CE, Kochanek PM, Jenkins LW, Lai, Y, Donovan HA, Hickey RW, Clark RS. Experimental model of pediatric asphyxial cardiopulmonary arrest in rats. *Pediatric Critical Care* 2004; 5:139-144.
36. Jacobs I, Nadkarni V, Bahr J, Berg RA, Billi JE, Bossaert L, Cassan P, Coovadia A, D'Este K, Finn J, Halperin H, Handley A, Herlitz J, Hickey R, Idris A, Kloeck W, Larkin GL, Mancini ME, Mason P, Mears G, Monsieurs K, Montgomery W, Morley P, Nichol G, Nolan J, Okada K, Perlman J, Shuster M, Steen PA, Sterz F, Tibballs J, Timerman S, Truitt T, Zideman D. Cardiac arrest and cardiopulmonary resuscitation outcome report: update and simplification of the Utstein templates for resuscitation registries. *Resuscitation* 2004;63(3):233-49.
37. Kawaguchi, K, Hickey, RW, Rose ME, Zhu L, Chen J, Graham SH. Cyclooxygenase-2 expression is induced in rat brain after kainate-induced seizures and promotes neuronal death in CA3 hippocampus. *Brain Res* 2005;1050:130-137.
38. Hazinski MF, Nadkarni V, Hickey RW, O'Connor R, Becker LB, Zaritsky A. Major changes in the 2005 AHA guidelines for CPR and ECC; Reaching the tipping point for change. Supplement to *Circulation* 2005;112:IV-206-IV-211.
39. Pitetti RD, Lovallo A and Hickey RW. Prevalence of anemia in children presenting with an apparent life-threatening events. *Academic Emergency Medicine* 2005;12(10):926-931.
40. Hickey RW, Mittiga MR. Images in emergency medicine. Osteomyelitis and bacterial endocarditis. *Ann Emerg Med* 2006;47(1):12, 33.
41. Hickey, RW, Painter MJ. Brain injury from cardiac arrest in children. *Neurol Clin* 2006;24:147-158.

42. Yin W, Cao G, Johnnides MJ, Signore AP, Luo Y, Hickey RW, Chen J. TAT-mediated delivery of Bcl-xL protein is neuroprotective against neonatal hypoxic-ischemic brain injury via inhibition of caspases and AIF. *Neurobiol Dis* 2006;21(2):358-371.
43. Manole MD, Hickey RW, Momoi N, Tobita K, Tinney JP, Suciu GP, Johnnides MJ, Clark RS, and Keller BB. Preterminal gasping during hypoxic cardiac arrest increases cardiac function in immature rats. *Pediatr Res* 2006; 60:174-179.
44. Manole MD, Hickey RW, Preterminal gasping and effect on the cardiac function. *Crit Care Med* 2006; 34:S439-S441.
45. Yin W, Signore AP, Iwai M, Cao G, Gao Y, Johnnides MJ, Hickey RW, and Chen J. Preconditioning suppresses inflammation in neonatal hypoxic ischemia via Akt activation. *Stroke*. 2007;38(3):1017-24
46. Hickey RW, Adelson PD, Johnnides MJ, Davis DS, Yu Z, Rose ME, Chang YF, and Graham SH, Cyclooxygenase-2 activity following traumatic brain injury in the developing rat. *Pediatr Res* 2007;62:271-76.
47. Gazmuri RJ, Nadkarni VM, Nolan JP, Arntz HR, Billi JE, Bossaert L, Deakin CD, Finn J, Hammill WW, Handley AJ, Hazinski MF, Hickey RW, Jacobs I, Jauch EC, Kloeck WG, Mattes MH, Montgomery WH, Morley P, Morrison LJ, Nichol G, O'Connor RE, Perlman J, Richmond S, Sayre M, Shuster M, Timerman S, Weil MH, Weisfeldt ML, Zaritsky A, Zideman DA. Scientific Knowledge Gaps and Clinical Research Priorities for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Identified During the 2005 International Consensus Conference on ECC and CPR Science With Treatment Recommendations. A Consensus Statement From the International Liaison Committee on Resuscitation; the American Heart Association Emergency Cardiovascular Care Committee; the Stroke Council; and the Cardiovascular Nursing Council. *Circulation*. 2007;116:2501-12.
48. Gazmuri RJ, Nolan JP, Nadkarni VM, Arntz HR, Billi JE, Bossaert L, Deakin CD, Finn J, Hammill WW, Handley AJ, Hazinski MF, Hickey RW, Jacobs I, Jauch EC, Kloeck WG, Mattes MH, Montgomery WH, Morley P, Morrison LJ, Nichol G, O'Connor RE, Perlman J, Richmond S, Sayre M, Shuster M, Timerman S, Weil MH, Weisfeldt ML, Zaritsky A, Zideman DA. Scientific knowledge gaps and clinical research priorities for cardiopulmonary resuscitation and emergency cardiovascular care identified during the 2005 International Consensus Conference on ECC and CPR Science with Treatment Recommendations A Consensus Statement from the International Liaison Committee on Resuscitation; the American Heart Association Emergency Cardiovascular Care Committee; the Stroke Council; and the Cardiovascular Nursing Council. *Resuscitation*. 2007;75:400-411.
49. Thomas DG and Hickey RW. Pediatric Puzzler: Episodic pain in a school-aged child. *Contemporary Pediatrics*. 2007;24:21-26.
50. Lai Y, Hickey RW, Chen Y, Bayir H, Sullivan M, Chu CT, Kochanek PM, Dixon CE, Jenkins LW, Graham SH, Watkins SC, Clark RSB. Autophagy is increased after traumatic brain injury in mice is

partially inhibited by the antioxidant γ -glutamylcysteinyl ethyl ester. *J Cereb Blood Flow Metab*, 2008;28:540-550.

51. Abella BS, Aufderheide TP, Eigel B, Hickey RW, Longstreth WT, Nadkarni V, Nichol G, Sayre MR, Sommargren CE, Hazinski MF. Reducing Barriers for Implementation of Bystander-Initiated Cardiopulmonary Resuscitation: A Scientific Statement for Healthcare Providers, Policymakers, and Community Leaders Regarding the Effectiveness of Cardiopulmonary Resuscitation . *Circulation*. 2008;117:704-9.
52. Li W, Wu S, Hickey RW, Rose ME, Chen J, Graham SH. Neuronal Cyclooxygenase-2 Activity and Prostaglandins PGE2, PGD2, and PGF2alpha Exacerbate Hypoxic Neuronal Injury in Neuron-enriched Primary Culture. *Neurochem Res*. 2008;33:490-9.
53. Manole MD, Hickey RW, Clark RSB, Kochanek PM. Current therapy of cardiopulmonary arrest. *Indian J Pediatr* 2008;74(6):609-614.
54. Ahmad M, Rose ME, Vagni V, Griffith RP, Dixon CE, Kochanek PM, Hickey RW, Graham SH. Genetic disruption of cyclooxygenase-2 does not improve histological or behavioral outcome after traumatic brain injury in mice. *J Neurosci Res* 2008; 86(16):3605-3612.
55. Hickey RW, Nadkarni V. Future directions in cardiocerebral resuscitation. *Pediatr Clin N Am*. 2008;55:1051-64.
56. Du L, Hickey RW, Bayir H, Watkins SC, Tyurin VA, Guo F, Kochanek PM, Jenkins LW, Ren J, Gibson G, Chu CT, Kagan VE, Clark RS. Starving neurons show sex difference in autophagy. *J Biol Chem* 2009;284:2383-2396.
57. Manole MD, Foley LM, Hitchens TK, Kochanek PM, Hickey RW, Bayir H, Alexander H, Ho C, Clark RS. Magnetic resonance imaging assessment of regional cerebral blood flow after asphyxial cardiac arrest in immature rats. *J Cereb Blood Flow Metab* 2009;29:197-205.
58. Chu CT, Plowey ED, Dagda RK, Hickey RW, Cherra SJ 3rd, Clark RS. Autophagy in neurite injury and neurodegeneration: in vitro and in vivo models. *Methods Enzymol* 2009;453:217-49
59. Bhatia SR, Hickey RW. Urinary tract infection in a healthy 10-year-old boy: an occult etiology. *Pediatr Emerg Care* 2009;25:590-1.
60. Kleinman ME, de Caen AR, Chameides L, Atkins DL, Berg RA, Berg MD, Bhanji F, Biarent D, Bingham R, Coovadia AH, Hazinski MF, Hickey RW, Nadkarni VM, Reis AG, Rodriguez-Nunez A, Tibballs J, Zaritsky AL, Zideman D; Pediatric Basic and Advanced Life Support Chapter Collaborators. Part 10: pediatric basic and advanced life support: 2010 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. *Circulation*. 2010 Oct 19;122(16 Suppl 2):S466-515.
61. Billi JE, Shuster M, Bossaert L, de Caen AR, Deakin CD, Eigel B, Hazinski MF, Hickey RW, Jacobs I, Kleinman ME, Koster RW, Mancini ME, Montgomery WH, Morley PT, Morrison LJ, Munoz H, Nadkarni VM, Nolan JP, O'Connor RE, Perlman JM, Richmond S, Sayre

- MR, Soar J, Wyllie J, Zideman D; International Liaison Committee on Resuscitation; American Heart Association. Part 4: conflict of interest management before, during, and after the 2010 International Consensus Conference on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. *Circulation*. 2010 Oct 19;122(16 Suppl 2):S291-7
62. Morley PT, Atkins DL, Billi JE, Bossaert L, Callaway CW, de Caen AR, Deakin CD, Eigel B, Hazinski MF, Hickey RW, Jacobs I, Kleinman ME, Koster RW, Mancini ME, Montgomery WH, Morrison LJ, Nadkarni VM, Nolan JP, O'Connor RE, Perlman JM, Sayre MR, Semenko TI, Shuster M, Soar J, Wyllie J, Zideman D. Part 3: evidence evaluation process: 2010 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. *Circulation*. 2010 Oct 19;122(16 Suppl 2):S283-90
63. Nadkarni VM, Nolan JP, Billi JE, Bossaert L, Böttiger BW, Chamberlain D, Drajer S, Eigel B, Hazinski MF, Hickey RW, Jacobs I, Kloeck W, Montgomery WH, Morley PT, O'Connor RE, Okada K, Shuster M, Travers AH, Zideman D. Part 2: international collaboration in resuscitation science: 2010 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. *Circulation*. 2010 Oct 19;122(16 Suppl2):S276-82.
64. Hazinski MF, Nolan JP, Billi JE, Böttiger BW, Bossaert L, de Caen AR, Deakin CD, Drajer S, Eigel B, Hickey RW, Jacobs I, Kleinman ME, Kloeck W, Koster RW, Lim SH, Mancini ME, Montgomery WH, Morley PT, Morrison LJ, Nadkarni VM, O'Connor RE, Okada K, Perlman JM, Sayre MR, Shuster M, Soar J, Sunde K, Travers AH, Wyllie J, Zideman D. Part 1: executive summary: 2010 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. *Circulation*. 2010 Oct 19;122(16 Suppl 2):S250-75.
65. Kleinman ME, Chameides L, Schexnayder SM, Samson RA, Hazinski MF, Atkins DL, Berg MD, de Caen AR, Fink EL, Freid EB, Hickey RW, Marino BS, Nadkarni VM, Proctor LT, Qureshi FA, Sartorelli K, Topjian A, van der Jagt EW, Zaritsky AL. Part 14: pediatric advanced life support: 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation*. 2010 Nov 2;122(18 Suppl 3):S876-908.
66. Berg MD, Schexnayder SM, Chameides L, Terry M, Donoghue A, Hickey RW, Berg RA, Sutton RM, Hazinski MF. Part 13: pediatric basic life support: 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation*. 2010 Nov 2;122(18 Suppl 3):S862-75
67. Sayre MR, O'Connor RE, Atkins DL, Billi JE, Callaway CW, Shuster M, Eigel B, Montgomery WH, Hickey RW, Jacobs I, Nadkarni VM, Morley PT, Semenko TI, Hazinski MF. Part 2: evidence evaluation and management of potential or perceived conflicts of interest: 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation*. 2010 Nov 2;122 (18 Suppl 3):S657-64
68. Field JM, Hazinski MF, Sayre MR, Chameides L, Schexnayder SM, Hemphill R, Samson RA, Kattwinkel J, Berg RA, Bhanji F, Cave DM, Jauch EC, Kudenchuk PJ, Neumar RW, Peberdy MA, Perlman JM, Sinz E, Travers AH, Berg MD, Billi JE, Eigel B, Hickey RW, Kleinman ME, Link MS, Morrison LJ, O'Connor RE, Shuster M, Callaway CW, Cucchiara B, Ferguson JD, Rea TD, Vanden

Hoek TL. Part 1: executive summary: 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation*. 2010 Nov 2;122(18 Suppl 3):S640-56.

69. Kleinman ME, de Caen AR, Chameides L, Atkins DL, Berg RA, Berg MD, Bhanji F, Biarent D, Bingham R, Coovadia AH, Hazinski MF, Hickey RW, Nadkarni VM, Reis AG, Rodriguez-Nunez A, Tibballs J, Zaritsky AL, Zideman D; Pediatric Basic and Advanced Life Support Chapter Collaborators. Pediatric basic and advanced life support: 2010 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations. *Pediatrics*. 2010 Nov;126(5):e1261-318. Epub 2010 Oct 18.
70. Berg MD, Schexnayder SM, Chameides L, Terry M, Donoghue A, Hickey RW, Berg RA, Sutton RM, Hazinski MF; American Heart Association. Pediatric basic life support: 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Pediatrics*. 2010 Nov;126(5):e1345-60.
71. Nolan JP, Hazinski MF, Billi JE, Boettiger BW, Bossaert L, de Caen AR, Deakin CD, Drajer S, Eigel B, Hickey RW, Jacobs I, Kleinman ME, Kloeck W, Koster RW, Lim SH, Mancini ME, Montgomery WH, Morley PT, Morrison LJ, Nadkarni VM, O'Connor RE, Okada K, Perlman JM, Sayre MR, Shuster M, Soar J, Sunde K, Travers AH, Wyllie J, Zideman D. Part 1: Executive summary: 2010 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. *Resuscitation*. 2010 Oct;81 Suppl 1:e1-25.
72. Nolan JP, Nadkarni VM, Billi JE, Bossaert L, Boettiger BW, Chamberlain D, Drajer S, Eigel B, Hazinski MF, Hickey RW, Jacobs I, Kloeck W, Montgomery WH, Morley PT, O'Connor RE, Okada K, Shuster M, Travers AH, Zideman D. Part 2: International collaboration in resuscitation science: 2010 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations. *Resuscitation*. 2010 Oct;81 Suppl 1:e26-31.
73. Morley PT, Atkins DL, Billi JE, Bossaert L, Callaway CW, de Caen AR, Deakin CD, Eigel B, Hazinski MF, Hickey RW, Jacobs I, Kleinman ME, Koster RW, Mancini, ME, Montgomery WH, Morrison LJ, Nadkarni VM, Nolan JP, O'Connor RE, Perlman JM, Sayre MR, Semenko TI, Shuster M, Soar J, Wyllie J, Zideman D. Part 3: Evidence evaluation process: 2010 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations. *Resuscitation*. 2010 Oct;81 Suppl 1:e32-40.
74. Shuster M, Billi JE, Bossaert L, de Caen AR, Deakin CD, Eigel B, Hazinski MF, Hickey RW, Jacobs I, Kleinman ME, Koster RW, Mancini ME, Montgomery WH, Morley PT, Morrison LJ, Munoz H, Nadkarni VM, Nolan JP, O'Connor RE, Perlman JM, Richmond S, Sayre MR, Soar J, Wyllie J, Zideman D; International Liaison Committee on Resuscitation; American Heart Association. Part 4: Conflict of interest management before, during, and after the 2010 International Consensus Conference on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations. *Resuscitation*. 2010 Oct;81 Suppl 1:e41-7.

75. Kaji AH, Lewis RJ, Beavers-May T, Berg R, Bulger E, Cairns C, Callaway C, Camargo CA Jr, Carcillo J, DeBiasi R, Diaz T, Ducharme F, Glickman S, Heilpern K, Hickey R, Hoek TV, Hollander J, Janson S, Jurkovich G, Kellermann A, Kingsmore S, Kline J, Kuppermann N, Lowe R, McLario D, Nathanson L, Nichol G, Peitzman A, Richardson L, Sanders A, Shah M, Shapiro N, Silverman R, Than M, Wilber S, Yealy DM; Summary of NIH Medical-Surgical Emergency Research Roundtable held on April 30 to May 1, 2009. Roundtable External Participants and Roundtable Steering Committee and Federal Participants. *Ann Emerg Med*. 2010 Nov;56(5):522-37.
76. Liu H, Li W, Ahmad M, Miller TM, Rose ME, Poloyac SM, Uechi G, Balasubramani M, Hickey RW, Graham SH. Modification of ubiquitin-C-terminal hydrolase-L1 by cyclopentenone prostaglandins exacerbates hypoxic injury. *Neurobiol Dis*. 2011;41:318-328.
77. H. Liu, S.M. Sarnaik, M.D. Manole, Y. Chen, S.N. Shinde, W. Li, M. Rose, H. Alexander, J. Chen, R.S. Clark, S.H. Graham, R.W. Hickey. Increased cytochrome c in rat cerebrospinal fluid after cardiac arrest and its effects on hypoxic neuronal survival. *Resuscitation*. 2012;83:1491-1496.
78. Guerra-Wallace MM, Casey FX, Bell MJ, Fink EL, Hickey RW. Hyperoxia and hypoxia in children resuscitated from cardiac arrest. *Pediatric Critical Care*. *Pediatr Crit Care Med*. 2013;14:e143-e148.
79. Liu H, Li W, Ahmad M, Rose ME, Miller TM, Yu M, Chen J, Pascoe JL, Poloyac SM, Hickey RW, Graham SH. Increased Generation of Cyclopentenone Prostaglandins after Brain Ischemia and Their Role in Aggregation of Ubiquitinated Proteins in Neurons. *Neurotox Res*. 2013;24:191-204.
80. Hao Liu, Marie E. Rose, Tricia M. Miller, Wenjin Li, Sunita N. Shinde, Alicia M. Pickrell, Samuel M. Poloyac, Steven H. Graham, Robert W. Hickey, COX2-derived primary and cyclopentenone prostaglandins are increased after asphyxial cardiac arrest, *Brain Research*. 2013;1519:71-79.
81. Liu H, Li W, Rose ME, Pascoe JL, Miller TM, Ahmad M, Poloyac SM, Hickey RW, Graham SH. Prostaglandin D2 toxicity in primary neurons is mediated through its bioactive cyclopentenone metabolites. *Neurotoxicology*. 2013;39:35-44. PMID:23973622
82. Shah AP, Cobb BT, Lower DR, Shaikh N, Rasmussen J, Hoberman A, Wald ER, Rosendorff A, Hickey RW. Enhanced versus automated urinalysis for screening of urinary tract infections in children in the emergency department. *Pediatr Infect Dis J*. 2014;33:272-5. PMID 24263219
83. Tress EE, Clark RS, Foley LM, Alexander H, Hickey RW, Drabek T, et al. Blood brain barrier is impermeable to solutes and permeable to water after experimental pediatric cardiac arrest. *Neurosci Lett*. 2014;578:17-21. PMID 24937271
84. Marin, J. R., Shaikh, N., Docimo, S. G., Hickey, R. W. & Hoberman, A. (2014) Suprapubic Bladder Aspiration, *N Engl J Med*. **371**, e13. PMID: 25184887
85. Badaki-Makun O1, Scott JP, Panepinto JA, Casper TC, Hillery CA, Dean JM, Brousseau DC; Pediatric Emergency Care Applied Research Network (PECARN) Magnesium in Sickle Cell Crisis (MAGiC) Study Group Intravenous magnesium for pediatric sickle cell vaso-occlusive crisis:

methodological issues of a randomized controlled trial.. *Pediatr Blood Cancer*. 2014;6:1049-54.
PMID: 24443249

86. Plesa JA, Shoup K, Manole MD, Hickey RW. Effect of a depilatory agent on cotton, polyester, and rayon versus human hair in a laboratory setting. *Ann Emerg Med* 2015;65:256-9. PMID:25240921
87. Liu H, Chen J, Li W, Rose ME, Shinde SN, Balasubramani M, Uechi GT, Mutus B, Graham SH, Hickey RW. Protein disulfide isomerase as a novel target for cyclopentenone prostaglandins: implications for hypoxic ischemic injury. *FEBS J*. 2015;282(10):2045-59. PMID:25754985
88. de Caen AR, Berg MD, Chameides L, Gooden CK, Hickey RW, Scott HF, Sutton RM, Tijssen JA, Topjian A, van der Jagt ÉW, Schexnayder SM, Samson RA. Part 12: Pediatric Advanced Life Support: 2015 American Heart Association Guidelines Update for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation*. 2015 Nov 3;132(18 Suppl 2):S526-42. PMID: 26473000
89. de Caen AR, Berg MD, Chameides L, Gooden CK, Hickey RW, Scott HF, Sutton RM, Tijssen JA, Topjian A, van der Jagt ÉW, Schexnayder SM, Samson RA. Part 12: Pediatric Advanced Life Support: 2015 American Heart Association Guidelines Update for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Pediatrics*. 2015; 136:S176-95. PMID:26471384
90. Liu H, Li W, Rose ME, Hickey RW, Chen, J, Uechi GT, Balasubramani M, Day BW, Patel KV and Grham SH. The point mutation UCH-L1 C152A protects primary neurons against cyclopentenone prostaglandin-induced cytotoxicity: implications for post-ischemic neuronal injury. *Cell death & disease*. 2015;6:e1966. PMID:26539913
91. Brousseau DC, Scott JP, Badaki-Makun O, Darbari DS, Chumpitazi CE, Airewele GE, Ellison AM, Smith-Whitley K, Mahajan P, Sarnaik SA, Casper TC, Cook LJ, Dean JM, Leonard J, Hulbert ML, Powell EC, Liem RI, Hickey R, Krishnamurti L, Hillery CA, Nimmer M, Panepinto JA; Pediatric Emergency Care Applied Research Network (PECARN). A multicenter randomized controlled trial of intravenous magnesium for sickle cell pain crisis in children.). *Blood*. 2015;126(14):1651-7. PMID:2623217.
92. Johnson TJ, Hickey RW, Switzer GE, Miller E, Winger DG, Nguyen M, Saladino RA, Hausmann LR. The Impact of Cognitive Stressors in the Emergency Department on Physician Implicit Racial Bias. *Acad Emerg Med*. 2016 Mar;23(3):297-305. PMID: 26763939
93. Root JM, Zuckerbraun NS, Wang L, Winger DG, Brent D, Kontos A, Hickey RW. History of Somatization Is Associated with Prolonged Recovery from Concussion. *J Pediatr*. 2016;174:39-44. PMID:27059916
94. 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

95. Alisic E, Hoysted C, Kassam-Adams N, Landolt MA, Curtis S, Kharbanda AB, Lyttle MD, Parri N, Stanley R, Babl FE; Pediatric Emergency Research Canada (PERC); Pediatric Emergency Medicine Collaborative Research Committee of American Academy of Pediatrics (PEMCRRC); Pediatric Emergency Research in United Kingdom and Ireland (PERUKI); Research in European Pediatric Emergency Medicine (REPEM); Pediatric Emergency Care Applied Research Network (PECARN); Pediatric Research in Emergency Departments International Collaborative (PREDICT); Pediatric Emergency Research Networks (PERN). Psychosocial Care for Injured Children: Worldwide Survey among Hospital Emergency Department Staff. *J Pediatr.* 2016 Mar;170:227-33. PMID: 26707581
96. 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. PMID: 27912926
97. Tavarez MM, Ayers B, Jeong JH, Coombs CM, Thompson A, Hickey RW. Practice Variation and Effects of E-mail-only Performance Feedback on Resource Use in the Emergency Department *Acad Emerg Med.* 2017 Aug;24(8):948-956. PMID: 28470786
98. Sufrinko AM, Kontos AP, Apps JN, McCrea M, Hickey RW, Collins MW, Thomas DG. The Effectiveness of Prescribed Rest Depends on Initial Presentation After Concussion. *J Pediatr.* 2017 Jun;185:167-172. PMID: 28365025
99. Yaeger SK, Perry MC, Caperell K, Coffman KA, Hickey RW. Ropivacaine Intramuscular Paracervical Injections for Pediatric Headache: A Randomized Placebo-Controlled Trial. *Ann Emerg Med.* 2017 Sep;70(3):323-330. PMID: 28365025.
100. Panepinto JA, Paul Scott J, Badaki-Makun O, Darbari DS, Chumpitazi CE, Airewele GE, Ellison AM, Smith-Whitley K, Mahajan P, Sarnaik SA, Charles Casper T, Cook LJ, Leonard J, Hulbert ML, Powell EC, Liem RI, Hickey R, Krishnamurti L, Hillery CA, Brousseau DC. Determining the longitudinal validity and meaningful differences in HRQL of the PedsQL™ Sickle Cell Disease Module. Pediatric Emergency Care Applied Research Network (PECARN). *Health Qual Life Outcomes.* 2017 Jun 12;15(1):124. doi: 10.1186/s12955-017-0700-2.
101. Melvin JE, Hickey RW. Laxative-Induced Contact Dermatitis. *Pediatr Emerg Care.* 2018 May 9. doi: 10.1097/PEC.0000000000001498. [Epub ahead of print] PMID: 29746360
102. Ramgopal S, Brungo LB, Bykowski MR, Pitetti RD, Hickey RW. Dog bites in a U.S. county: age, body part and breed in paediatric dog bites. *Acta Paediatr.* 2018 May;107(5):893-899. PMID: 29331048
103. Perry MC, Yaeger SK, Noorbakhsh K, Cruz AT, Hickey RW. Hypothermia in Young Infants: Frequency and Yield of Sepsis Workup. *Pediatr Emerg Care.* 2018 Nov 12. doi: 10.1097/PEC.0000000000001674. [Epub ahead of print] PMID: 30422948

104. Perry MC, Yaeger SK, Toto RL, Suresh S, Hickey RW A Modern Epidemic: Increasing Pediatric Emergency Department Visits and Admissions for Headache. *Pediatr Neurol*. 2018 Dec;89:19-25. doi: 10.1016/j.pediatrneurol.2018.07.015. Epub 2018 Aug 4. PMID: 30343832
105. Carden MA, Brousseau DC, Ahmad FA, Bennett J, Bhatt S, Bogie A, Brown K, Casper TC, Chapman LL, Chumpitazi CE, Cohen D, Dampier C, Ellison AM, Grasemann H, Hickey RW, Hsu LL, Leibovich S, Powell E, Richards R, Sarnaik S, Weiner DL, Morris CR; Sickle Cell Disease Arginine Study Group and the Pediatric Emergency Care Applied Research Network (PECARN).. Normal Saline Bolus Use in Pediatric Emergency Departments is Associated with Worse Pain Control in Children with Sickle Cell Anemia and Vaso-occlusive Pain. *Am J Hematol*. 2019;94:689-696. PMID: 30916794.
106. Shaikh N, Martin JM, Hoberman A, Skae M, Milkovich L, Nowalk A, McElheny C, Hickey RW, Kearney D, Majd M, Shalaby-Rana E, Tseng G, Alcorn JF, Kolls J, Kurs-Lasky M, Huo Z, Horne W, Lockhart G, Pohl H, Shope TR. Host and Bacterial Markers that Differ in Children with Cystitis and Pyelonephritis. *J Pediatr*. 2019 Mar 21. pii: S0022-3476(19)30027-7. doi: 10.1016/j.jpeds.2019.01.012. [Epub ahead of print] PubMed PMID: 30905425
107. Ramgopal S, Dezfulian C, Hickey RW, Au AK, Venkataraman S, Clark RSB, Horvat CM. Association of Severe Hyperoxemia Events and Mortality Among Patients Admitted to a Pediatric Intensive Care Unit. *JAMA Netw Open*. 2019 Aug 2;2(8):e199812. doi: 10.1001/jamanetworkopen.2019.9812. PMID: 31433484
108. Shaikh N, Martin JM, Hoberman A, Skae M, Milkovich L, McElheny C, Hickey RW, Gabriel LV, Kearney DH, Majd M, Shalaby-Rana E, Tseng G, Kolls J, Horne W, Huo Z, Shope T. Biomarkers that differentiate false positive urinalyses from true urinary tract infection. *Pediatr Nephrol* (2019). <https://doi.org/10.1007/s00467-019-04403-7>.
109. Ramgopal S, Dezfulian C, Hickey RW, Au AK, Venkataraman S, Clark RSB, Horvat CM. Early Hyperoxemia and Outcome Among Critically Ill Children. *Pediatr Crit Care Med*. 2019 Dec 10. doi: 10.1097/PCC.0000000000002203. [Epub ahead of print] PMID: 31821205
110. Kapur J, Elm J, Chamberlain JM, Barsan W, Cloyd J, Lowenstein D, Shinnar S, Conwit R, Meinzer C, Cock H, Fountain N, Connor JT, Silbergleit R; NETT and PECARN Investigators. Randomized Trial of Three Anticonvulsant Medications for Status Epilepticus. *N Engl J Med*. 2019 Nov 28;381(22):2103-2113. doi: 10.1056/NEJMoa1905795. PMID: 31774955
111. Chamberlain JM, Kapur J, Shinnar S, Elm J, Holsti M, Babcock L, Rogers A, Barsan W, Cloyd J, Lowenstein D, Bleck TP, Conwit R, Meinzer C, Cock H, Fountain NB, Underwood E, Connor JT, Silbergleit R; Neurological Emergencies Treatment Trials; Pediatric Emergency Care Applied Research Network investigators Efficacy of levetiracetam, fosphenytoin, and valproate for established status epilepticus by age group (ESETT): a double-blind, responsive-adaptive, randomised controlled trial. *Lancet*. 2020 Mar 20. pii: S0140-6736(20)30611-5. doi: 10.1016/S0140-6736(20)30611-5. [Epub ahead of print] PMID: 32203691

112. Sriram Ramgopal, Kathleen A Noorbakhsh, Christopher M Pruitt, Paul L Aronson, Elizabeth R Alpern, Robert W Hickey. Outcomes of Young Infants With Hypothermia Evaluated in the Emergency Department. *J Pediatr* 2020 Jun;221:132-137.e2. doi: 10.1016/j.jpeds.2020.03.002. PMID: 32446472
113. Madsen JR, Boyle TP, Neuman MI, Park EH, Tamber MS, Hickey RW, Heuer GG, Zorc JJ, Leonard JR, Leonard JC, Keating R, Chamberlain JM, Frim DM, Zakrzewski P, Klinge P, Merck LH, Piatt J, Bennett JE, Sandberg DI, Boop FA, Hameed MQ. Madsen JR, et al. Diagnostic Accuracy of Non-Invasive Thermal Evaluation of Ventriculoperitoneal Shunt Flow in Shunt Malfunction: A Prospective, Multi-Site, Operator-Blinded Study. *Neurosurgery*. 2020 May 27;nyaa128. doi: 10.1093/neuros/nyaa128. Online ahead of print. *Neurosurgery*. 2020. PMID: 32459841
114. Chung JR, Flannery B, Gaglani M, Smith ME, Reis EC, Hickey RW, Jackson ML, Jackson LA, Belongia EA, McLean HQ, Martin ET, Segaloff HE, Kim SS, Patel MM. Patterns of Influenza Vaccination and Vaccine Effectiveness Among Young US Children Who Receive Outpatient Care for Acute Respiratory Tract Illness. *JAMA Pediatr*. 2020 May 4:e200372. doi: 10.1001/jamapediatrics.2020.0372. Online ahead of print. PMID: 32364599

Contributor

American Heart Association. Guidelines 2000 for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. International Consensus on Science. Supplement to *Circulation*, August 22, 2000;102(8).

American Heart Association. BLS for Healthcare Providers. Dallas, TX 2001.

American Heart Association. Fundamentals of BLS for Healthcare Providers. Dallas, TX 2001.

American Heart Association. PALS Provider Manual and Toolkit, 2002.

American Heart Association. PALS Provider Manual and Course Guide, 2006.

Editorial Boards

Co-Editor – Pediatric Advanced Life Support (PALS) Instructor’s Manual. American Heart Association, 2001.

Co-Editor – Pediatric Advanced Life Support (PALS) Provider Manual and Toolkit. American Heart Association, 2002.

Editorial Advisory Board – Currents in Emergency Cardiovascular Care 2001-2009.

Editorial Board – 2005 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations. *Circulation*. 2005;112(suppl III)1-136.

Editorial Board – 2005 Emergency Cardiovascular Care Committee and Subcommittees of the American Heart Association. American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation*. 2005;112(suppl V):IV-1-211.

Editorial Board-- 2010 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations. *Circulation* 2010 Oct 19;122 (16 Suppl 2):S250-638.

Editorial Board--2010 Emergency Cardiovascular Care Committee and Subcommittees of the American Heart Association. American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation*. Nov 2;122 (18 Suppl 3):S639-S946.

Book Chapters

1. Cohen D, Hickey RW, Dietrich A. Pediatric resuscitation. In: Handbook of Cardiovascular Emergencies. 2nd ed. Hoekstra JW (Ed) Boston: Lippincott, Williams & Wilkins, 2001;73-86.
2. Graham SH, Hickey RW. The genetic control of ischemic neuronal cell death. In: Update in Intensive Care and Emergency Medicine. Pinsky (Ed.): Cerebral Blood Flow, 2002;37(8):96-105.
3. Graham SH, Hickey RW. Molecular pathophysiology of stroke. In: Neuropsychopharmacology, The Fifth Generation of Progress. Davis KL, Charney D, Coyle JT, and Nemeroff C. (Eds) Baltimore: Lippincott, Williams & Wilkins. 2002;92(9):1317-1326.
4. Hickey RW, Graham SH. Eicosanoids: Roles in the pathophysiology of cerebral ischemia. In: Prostaglandins and Eicosanoids, Peter Curtis-Prior (Ed), John Wiley & Sons, London, 2004;44:481-486.
5. Kochanek P, Hickey RW, Bayir H, Fink EL, Ruppel RA and Clark RS. Key issues in pediatric neurointensive care. In: Textbook of Critical Care 5th ed. Fink MP, Abraham E, Vincent J, and Kochanek PM (Eds). Philadelphia. 2005;59:427-442.
6. Zuckerbraun N, Hickey RW. Ear Infections. In: The Clinical Practice of Emergency Medicine 4th ed. Wolfson, Allan (Ed). Philadelphia: Lippincott Williams & Wilkins. 2005;244:1317-1323.
7. Hickey RW, Callaway CW. Therapeutic hypothermia. In: Molecular and Cellular Biology of Critical Care Medicine. Tisherman, Samuel and Sterz, Fritz (Eds). Kluwer Academic Publishers, New York. 2005;8-119-134.
8. Clark RS, Lai Y, Hickey RW, Hypoxic-Ischemic Encephalopathy: Pathobiology and Therapy of the Post-Resuscitation Syndrom in Children. In: Pediatric Critical Care 3rd ed. Fuhrman, Brad and Zimmerman, Jerry (Eds). Philadelphia: Pediatric Critical Care. 2005;58:904-928.

9. Hickey RW, deCaen A. Warming Procedures. In: Textbook of Pediatric Emergency Procedures (King C, Henretig FM, eds). Philadelphia: Lippincott Williams & Wilkins, 2007;131:1204-1212
10. Manole MD, Hickey RW, Alexander HL, Clark RS Rodent Model of Pediatric Asphyxial Cardiac Arrest In: Animal Models of Acute Neurological Injuries (Contemporary Neuroscience) Totowa, NJ : Humana Press, 2009:9-103-113.
11. Sarnaik S, Sarnaik A, Hickey RW. Arrhythmias in Children. In: The Clinical Practice of Emergency Medicine 5th ed. Wolfson, Allan (Ed). Philadelphia: Lippincott Williams & Wilkins. 2009;1192-1194.
12. Manole MD, Hickey RW. Asystole. In: 5-Minute Pediatric Emergency Medicine Consult. Hoffman RJ, Wang VJ, Scarfone RJ (Eds). Wolters Kluwer/Lippincott Williams & Wilkins, Philadelphia, NY, 2012;84-85.
13. Kochanek P, Hickey RW, Bayir H, Fink EL, Ruppel RA and Clark RS. Key issues in pediatric neurointensive care. In: Textbook of Critical Care 7th ed. Vincent JL, Abraham E, Moore FA, Kochanek PM and Fink MP, (Eds). Philadelphia. 20017;60:351-365.

Multimedia Educational Productions

Med-Challenger for Pediatricians (an interactive computer-based program with 3,000 questions and images on pediatric emergency care with approved CME credits) Challenger Corporation, Memphis, TN. Contributing Editor 1994-present.

Topics in Pediatric Emergency Medicine (Mission Viejo, CA) editors Christopher King, MD, and Brent R. King, MD (a CME audiotape): Issue on Pediatric Cardiopulmonary Resuscitation Volume 4, Issue 3.

Catastrophic Illnesses in Children Presenting with Common Chief Complaints (CD) editors Robert W. Hickey, MD, and Dana Braner, MD. 2004 American Heart Association.

Webcast Briefing for the American Heart Association: Pediatric Advanced Life Support.
www.eccguidelineswebcast.org/ 11/13/05

PROFESSIONAL ACTIVITIES

Teaching

1. Medical School

Medical Student Scholarly Project: mentor for Benjamin Cobb (2012), mentor for Michelle Perry (2013) Evidence Based Medicine-Fundamentals for first year medical students, small group facilitator, September -December 2015, 2016, 2017, 2019

2. Pediatric, Emergency Medicine, and Family Practice Residency Programs

Pediatric Resident Advisor: Meghan Chiu (99-02), Danny Thomas (02-05), Kerry Caperell (05-08), Adelaide Eichman (10-13), Ronald Seese (15-16), Omar Afandi (2017-2019)

OCRAPP simulation course for CHP and DEM interns 6/15, 6/16, 6/17,6/19

3. Faculty and Fellows, Division of Pediatric Emergency Medicine

Advanced Trauma Resuscitation: 3/99

Computer Survival Skills: 8/99

Splinting Workshop: 7/00

Research Update: 7/00, 9/01

Upper Extremity Injuries: 10/00, 10/02, 9/06, 3/10, 2/13, 4/14, 5/16

Cardiopulmonary Resuscitation (Contemporary Concepts, Controversies, etc.): 11/00, 7/01, 7/02, 3/06, 9/06, 10/08, 12/09, 9/10, 7/14, 7/18

Introduction to Molecular Medicine: 2/00, 10/05

Bias and Mistakes of Inference in Clinical Research: 11/00, 12/00, 1/06, 5/07, 1/09, 1/10, 3/12, 4/13, 2/17

The Medical Industrial Complex 1/02

Keeping Up with the Literature and Use of Reference Manager 2/02

Bad Medicine: Ineffective or Harmful Medical Practices: 3/01, 3/04, 2/13

Literature Update 7/02, 11/04

PEM Teaching Course: Presentation Skills and Talks to Large Groups 1/03, 1/04, 1/05, 2/07, 2/11, 10/14

Visual Diagnosis: 6/05, 4/12, 7/18

Interacting with the Media: 4/06

Urinary Tract Infections: 9/09, 5/1, 7/13

Shock: 5/10, 7/11, 7/12, 8/13, 7/14, 7/15, 7/16, 8/17, 8/19

Using Endnote: 3/12

PECARN: 9/12

Lessons Learned in a Career in PEM: 5/14

Non-traumatic Abdominal Emergencies: 7/14, 7/18

Money and Medicine 8/18, 9/18

Seizures 8/19

List of Mentees and Projects

MENTEE	POSITION	PUBLICATIONS	Continued Research/Academic Career
Steven Strausbaugh	Baccalaureate student (subsequently	Hickey RW, Cohen DM, Strausbaugh S, Dietrich AM. Pediatric patients requiring CPR in the prehospital setting. Ann Emerg Med 1995;25:495-501	

	matriculated into medical school)	<p>Strausbaugh S, Manley L, <u>Hickey RW</u>, Dietrich A. Circumferential pressure as a rapid method to assess intraosseous placement. <i>Pediatr Emerg Care</i> 1995;11:274-276.</p> <p><u>Hickey RW</u>, Akino M, Strausbaugh S, De Courten-Myers GM. Use of the Morris water maze and acoustic startle chamber to evaluate neurologic injury following asphyxial cardiac arrest in rats. <i>Pediatr Res</i> 1995;39:77-84.</p>	
Daniel Cohen	Fellow	Cohen DM, Garcia CT, Dietrich AM, <u>Hickey RW</u> . Miniature C-arm imaging: An in vitro study of detecting foreign bodies in the emergency department. <i>Ped Emerg Care</i> 1997;13:247-249.	Clinical research
Raymond Pitetti	Fellow	<p>Pitetti RD, Suman M, <u>Hickey RW</u>. Magnet-backed earrings, not just for decoration. <i>Ped Emerg Care</i> 1998;14:208-209.</p> <p>Pitetti RD, Maffei F, Chang K, <u>Hickey R</u>, Berger R, Pierce Mary Clyde. Prevalence of retinal hemorrhages and child abuse in children who present with an apparent life-threatening event. <i>Pediatrics</i> 2002;110(3):557-562</p>	Clinical research
Noel Zuckerbraun	Fellow	<p><u>Hickey RW</u>, Zuckerbraun N. Pediatric cardiopulmonary arrest: Current concepts and future directions. <i>Pediatric Emergency Medicine Reports</i> 2003;8(1):1-12.</p> <p>Zuckerbraun N, <u>Hickey RW</u>. Ear Infections. In: <i>The Clinical Practice of Emergency Medicine</i> 4th ed. Wolfson, Allan (Ed). Philadelphia: Lippincott Williams & Wilkins. 2005;244:1317-1323.</p>	Clinical research
Sylvia Garcia	Fellow	Garcia SE, <u>Hickey RW</u> . Pediatric ocular trauma. <i>Ped Emerg Med Reports</i> 1998;3:87-98.	Clinician
Amanda Lovallo	Fellow	Pitetti RD, Lovallo A and <u>Hickey RW</u> . Prevalence of anemia in children presenting with an apparent life-threatening events. <i>Academic Emergency Medicine</i> 2005;12(10):926-931.	Clinician

Matthew Mittiga	Resident	<u>Hickey RW</u> , Mittiga MR. Images in emergency medicine. Osteomyelitis and bacterial endocarditis. Ann Emerg Med 2006;47(1):12, 33.	Clinical research
Mioara Manole	Fellow	Manole MD, <u>Hickey RW</u> , Preterminal gasping and effect on the cardiac function. Crit Care Med 2006; 34:S439-S441. Manole MD, <u>Hickey RW</u> , Clark RSB, Kochanek PM. Current therapy of cardiopulmonary arrest. Indian J Pediatr 2008;74(6):609-614. Manole MD, <u>Hickey RW</u> , Alexander HL, Clark RS Rodent Model of Pediatric Asphyxial Cardiac Arrest In: Animal Models of Acute Neurological Injuries (Contemporary Neuroscience) Totowa, NJ : Humana Press, 2009:9-103-113	NIH-funded researcher Both basic science and clinical research
Daniel Thomas	Fellow	Thomas DG and <u>Hickey RW</u> . Pediatric Puzzler: Episodic pain in a school-aged child. Contemporary Pediatrics. 2007;24:21-26.	Clinical Research
Sanghetta Bhatia	Resident	Bhatia SR, <u>Hickey RW</u> . Urinary tract infection in a healthy 10-year-old boy: an occult etiology. Pediatr Emerg Care 2009;25:590-1.	Clinician
Syana Sarnaik	Fellow	H. Liu, S.M. Sarnaik, M.D. Manole, Y. Chen, S.N. Shinde, W. Li, M. Rose, H. Alexander, J. Chen, R.S. Clark, S.H. Graham, <u>R.W. Hickey</u> . Increased cytochrome c in rat cerebrospinal fluid after cardiac arrest and its effects on hypoxic neuronal survival. Resuscitation. 2012;83:1491-1496	Clinician
Melissa Guerra-Wallace	Fellow	Guerra-Wallace MM, Casey FX, Bell MJ, Fink EL, <u>Hickey RW</u> . Hyperoxia and hypoxia in children resuscitated from cardiac arrest. Pediatric Critical Care. Pediatr Crit Care Med. 2013;14:e143-e148	Clinician
Alicia M. Pickrell	Baccalaureate student (subsequently matriculated into PhD program and NIH internship)	Hao Liu, Marie E. Rose, Tricia M. Miller, Wenjin Li, Sunita N. Shinde, Alicia M. Pickrell, Samuel M. Poloyac, Steven H. Graham, <u>Robert W. Hickey</u> , COX2-derived primary and cyclopentenone prostaglandins are increased after asphyxial cardiac arrest, Brain Research. 2013;1519:71-79	Basic science research at NIH

Ami Shah	Fellow	Shah AP, Cobb BT, Lower DR, Shaikh N, Rasmussen J , Hoberman A, Wald ER, Rosendorff A, <u>Hickey RW</u> . Enhanced versus automated urinalysis for screening of urinary tract infections in children in the emergency department. <i>Pediatr Infect Dis J</i> . 2014;33:272-5. PMID 24263219	Clinician
Benjamin Cobb	Medical Student	Shah AP, Cobb BT, Lower DR, Shaikh N, Rasmussen J , Hoberman A, Wald ER, Rosendorff A, <u>Hickey RW</u> . Enhanced versus automated urinalysis for screening of urinary tract infections in children in the emergency department. <i>Pediatr Infect Dis J</i> . 2014;33:272-5. PMID 24263219	
Jocelyn Plesa	Fellow	Plesa JA, Shoup K, Manole MD, <u>Hickey RW</u> . Effect of a depilatory agent on cotton, polyester, and rayon versus human hair in a laboratory setting. <i>Ann Emerg Med</i> 2015;65:256-9	Clinician
Tiffani Johnson	Fellow	Johnson TJ, Hickey RW, Switzer GE, Miller E, Winger DG, Nguyen M, Saladino RA, Hausmann LR. The Impact of Cognitive Stressors in the Emergency Department on Physician Implicit Racial Bias. <i>Acad Emerg Med</i> . 2016 Mar;23(3):297-305. PMID: 26763939 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, <i>Academic Pediatrics</i> (2016), doi: 10.1016/j.acap.2016.08.010. PMID:27620844	Funded researcher
Melissa Taverez Carmen Coombs	Junior Faculty Fellow	Tavarez MM, Ayers B, Jeong JH, Coombs CM, Thompson A, Hickey RW. Practice Variation and Effects of E-mail-only Performance Feedback on Resource Use in the Emergency Department <i>Acad Emerg Med</i> . 2017 Aug;24(8):948-956. PMID: 28470786	Clinical Research Clinician
Susan Yaeger Kerry Caperell Michelle Perry	Fellow Fellow Medical student/resident	Yaeger SK, Perry MC, Caperell K, Coffman KA, Hickey RW. Ropivacaine Intramuscular Paracervical Injections for Pediatric Headache: A Randomized Placebo-Controlled	Clinician Clinical Researcher

		Trial.. Ann Emerg Med. 2017 Sep;70(3):323-330. PMID: 28365025.	
Michelle Perry Susan Yaeger Katie Noorbakhsh	Resident Fellow Fellow	Hypothermia in Young Infants: Frequency and Yield of Sepsis Workup. Perry MC, Yaeger SK, Noorbakhsh K, Cruz AT, Hickey RW. <i>Pediatr Emerg Care</i> . 2018 Nov 12. doi: 10.1097/PEC.0000000000001674. [Epub ahead of print] PMID: 30422948	
Michell Perry Susan Yaeger	Resident Fellow	A Modern Epidemic: Increasing Pediatric Emergency Department Visits and Admissions for Headache. Perry MC, Yaeger SK, Toto RL, Suresh S, Hickey RW. <i>Pediatr Neurol</i> . 2018 Dec;89:19-25. doi: 10.1016/j.pediatrneurol.2018.07.015. Epub 2018 Aug 4. PMID: 30343832	
Sriram Ramgopal	Fellow	Dog bites in a U.S. county: age, body part and breed in paediatric dog bites. Ramgopal S, Brungo LB, Bykowski MR, Pitetti RD, Hickey RW. <i>Acta Paediatr</i> . 2018 May;107(5):893-899. doi: 10.1111/apa.14218. Epub 2018 Feb 5. PMID: 29331048	

5. Local/Regional Invited Talks

1. Grand Rounds at the Medical Center of Delaware, Department of Pediatrics, May 1989. "Occult Bacteremia."
2. Winter Update on Pediatric and Adult Emergencies sponsored by the University of Pittsburgh, Department of Pediatrics, Division of General Academic Pediatrics, January 1990. "Radiologic Diagnosis."
3. International Congress on Emergency and Trauma Medicine, University of Pittsburgh School of Medicine, October 1990. "Pediatric Airway Emergencies."
4. Winter Update on Emergency Pediatrics sponsored by the University of Pittsburgh, Department of Pediatrics, Division of General Academic Pediatrics, February 1991. "Management of the Wheezy Infant."
5. Grand Rounds at the Ohio State University, Department of Emergency Medicine, 1992. "The Lethargic Child."
6. Grand Rounds at the Ohio State University, Department of Emergency Medicine, June 1993. "Visual Diagnosis in the Pediatric Emergency Department."
7. Central Ohio Emergency Medical Services Pediatric Emergency Care Series (for pre-hospital providers) 1993. "Rashes: What's Dangerous and What's Not."

8. Morrow County Pediatric EMS/Trauma Project, 1993. "Resuscitation and Stabilization of Pediatric Patients."
9. Central Ohio Emergency Medical Services Pediatric Emergency Care Series (for pre-hospital providers) 1994. "Holiday Hazards."
10. Grand Rounds at the Columbus Children's Hospital, 1994. "The Challenge of UTI in Infants. New Insights into Diagnosis and Treatment."
11. Columbus Children's Hospital Ethical Problems Conference, February 12, 1994. "At Death's Door: Parents in the ED?"
12. Ohio Association of Emergency Medical Services Winter Conference, February 13, 1994. "Skin Findings in Pre-hospital Settings."
13. Grand Rounds at the Ohio State University Department of Ophthalmology, June 1994. "Cortical Blindness Following Asphyxial Cardiac Arrest."
14. Grand Rounds at Columbus Children's Hospital, April 13, 1995. "Pediatric Cardiopulmonary Arrest."
15. Winter Update on Emergency Pediatrics sponsored by the University of Pittsburgh, Department of Pediatrics, Division of Pediatric Emergency Medicine, March 1996. "Pediatric Resuscitation."
16. Winter Update on Emergency Pediatrics sponsored by the University of Pittsburgh, Department of Pediatrics, Division of Pediatric Emergency Medicine, March 1997. "Bias in Clinical Research."
17. Passavant/UPMC Hospital CME Lecture, October, 1997. "Infectious Exanthems."
18. Winter Update on Emergency Pediatrics sponsored by the University of Pittsburgh, Department of Pediatrics, Division of Pediatric Emergency Medicine, March 1998. "Molecular Medicine for the Masses."
19. Grand Rounds at the Center for Emergency Medicine, Pittsburgh, July 23, 1998. "Visual Diagnosis."
20. Pediatric Emergency Medicine: Cutting-Edge Insights for the Clinician. CME conference sponsored by Pediatric Emergency Medicine Reports. Atlanta, GA. February 26-28, 1999. "Rashes and Visual Diagnoses" "Reviewing the Literature with Relative Ease" and "Current Concepts in Pediatric Advanced Cardiac Life Support"
21. Winter Update on Emergency Pediatrics sponsored by the University of Pittsburgh, Department of Pediatrics, Division of Pediatric Emergency Medicine, March 1999. "Visual Diagnosis of Pediatric Puzzlers."
22. Safar Center for Resuscitation Research 20th Anniversary Celebration – Symposium. Pittsburgh, PA. November 1999. "Asphyxial arrest: permissive hypothermia and iatrogenic hyperthermia."
23. 13th Annual Statewide Emergency Medical Services Conference: Update 2000, Pennsylvania Emergency Health Services Council, Seven Springs, PA, March 2000. "Current Trends in Pediatric Resuscitation."
24. Winter Update on Emergency Pediatrics, University of Pittsburgh, Department of Pediatrics, Division of Pediatric Emergency Medicine, March 2000. "What's New in Pediatric Emergency Medicine."
25. Grand Rounds at the Center for Emergency Medicine, Pittsburgh, October 20, 2000. "Clinical Signs and Symptoms."
26. 14th Annual Statewide Emergency Medical Services Conference: Update 2001, Pennsylvania Emergency Health Services Council, Seven Springs, PA, March 2001. "Changes to the AHA Guidelines."

27. Roosevelt Hospital Emergency Department Grand Rounds: New York, NY, April 2001. "Contemporary Topics in Cardiac Arrest."
28. Formerly Employed Mothers at the Leading Edge. Pittsburgh, PA. September 2001. "Ask the Pediatrician".
29. The 2nd Annual MedFlight Symposium: Perspectives in Emergency and Critical Care. Dublin, OH, September 2001. "Visual Diagnoses. Rashes That Will Fool You" and "CPR: Recent Developments and Future Directions."
30. Pre-hospital CME series in Johnstown PA: Visual Diagnosis. October 17, 2001.
31. Formerly Employed Mothers at the Leading Edge. Pittsburgh, PA, September, 2001. "Ask the Pediatrician".
32. Safar Center for Resuscitation Research Monthly Lecture Series, Pittsburgh, PA, June, 2002. "COX-2 in the Immature Brain"
33. Grand Rounds at University of Pittsburgh, Department of Pediatrics. Pittsburgh, PA, May 23, 2002. "Pediatric CPR: Current Concepts and Future Directions."
34. Three Rivers Clinical Pediatric Update. Pittsburgh, PA, June 6, 2002. "What's New in Pediatric Emergency Medicine."
35. 25th Annual Black Hills Seminar on Advances in Clinical Pediatrics. Rapid City, SD, June, 2002. "Pediatric CPR: Current Concepts and Future Directions" and "Pediatric Emergency Medicine: What's New" and "Visual Diagnoses" and "Catastrophic Illnesses Presenting with Common Chief Complaints."
36. Colorado Advanced Life Support Conference: Turning a New Leaf: Strategies for BLS, ACLS & PALS Education. Estes Park, CO, September, 2002. "Current Concepts in Pediatric Resuscitation" and "Catastrophic Illnesses Presenting with Common Chief Complaints."
37. University of Pittsburgh Center for Emergency Medicine Grand Rounds. Pittsburgh, PA, October 31, 2002. "Pediatric Cardiopulmonary Resuscitation."
38. The 4th Annual MedFlight Symposium: Perspectives in Emergency and Critical Care. Dublin, OH, March, 2003. "Controversies in Resuscitation."
39. Formerly Employed Mothers at the Leading Edge. Pittsburgh, PA, November, 2003. "Ask the Pediatrician."
40. Ada County Medical Society. Medical Winter Clinics. Sun Valley, ID, February 14, 2004. "ACLS Update."
41. Ada County Medical Society. Medical Winter Clinics, Sun Valley, ID, February 15, 2004. "Common Pediatric Presentations that may have Catastrophic Outcomes."
42. Hypothermia in Acute Liver Failure Study Group, Chicago, IL, February 28, 2004. "Mechanisms of Brain Protection by Hypothermia."
43. Columbus Children's Hospital Visiting Professor Series. Columbus, OH, March 17-18, 2004. Central Ohio Pediatrics Society Dinner Meeting, "Bad Medicine: Potentially Harmful or Ineffective Medical Practices"
44. Columbus Children's Hospital Visiting Professor Series. Columbus, OH, March 17-18, 2004. Grand Rounds and Keynote Speaker. Pediatric Pearls: Sub-Specialty Update Course for Clinicians. "Cardiopulmonary Cerebral Resuscitation: Recent Developments and Future Directions."
45. Columbus Children's Hospital Visiting Professor Series. Columbus, OH, March 17-18, 2004. Resident Noon Conference. "Catastrophic Illnesses Presenting with Common Chief Complaints."
46. Three Rivers Clinical Pediatric Update. Pittsburgh, PA, April 1, 2004. "The Latest from the Literature."

47. The First Annual Regional Pediatric Symposium of the Black Hills. Rapid City, SD, June, 2004. "Visual Diagnoses" and "Catastrophic Illnesses Presenting with Common Chief Complaints."
48. Grand Rounds at the Center for Emergency Medicine, Pittsburgh, November 11, 2004. "Bad Medicine: Potentially Harmful or Ineffective Therapies."
49. Grand Rounds at Allegheny General Hospital, Department of Pediatrics. Pittsburgh, PA, November 12, 2004. "Controversies in Resuscitation."
50. Grand Rounds at the Center for Emergency Medicine, Pittsburgh, August 25, 2005. "Pediatric Radiology".
51. The Tools & The Talent. Center for Emergency Medicine/EMS. Pittsburgh, PA. February 3, 2006. (ALS) "Emergency Cardiovascular Care Update".
52. Grand Rounds at the Center for Emergency Medicine, Pittsburgh, February 9, 2006. "The New CPR Guidelines".
53. Pediatric Emergency Medicine Fellows Conference 2006. Washington, DC, March 25, 2006. Plenary speaker, "Bad Medicine: Potentially Harmful or Ineffective Medical Practices."
54. Three Rivers Clinical Pediatric Update. Pittsburgh, PA, May 18, 2006. "The Latest from the Literature."
55. Emergency Cardiovascular Care Update 2006. Orlando FL, June 23, 2006. "PALS and Neonatal Update."
56. Grand Rounds at the University of Pittsburgh, Department of Pediatrics. Pittsburgh, PA, August 10, 2006. "Evidence Behind the New Guidelines for Cardiopulmonary Resuscitation."
57. Seventh Annual John M Templeton Pediatric Trauma Symposium. Pittsburgh, PA, March 2, 2007. "The New CPR."
58. 14th Annual Clinical Advances in Pediatric Emergency Medicine, Washington University in St. Louis, St Louis MO, April 21, 2007. Keynote lecture. "New Guidelines for Pediatric Cardiopulmonary Resuscitation: an Evidence Based Approach." Lecture. "Bad Medicine: Potentially Harmful or Ineffective Medical Practices."
59. Three Rivers Clinical Pediatric Update. Pittsburgh, PA, May 17, 2007. "State of Practice: 2005 Guidelines for Pediatric CPR."
60. Grand Rounds at the Center for Emergency Medicine, Pittsburgh, May 31, 2007. "Visual Diagnoses".
61. Pittsburgh Plate and Glass (PPG) Health and Wellness Conference, Pittsburgh, PA, June 28, 2007. "CPR Anytime."
62. 2007 Pediatric Emergency Medicine Conference, Nationwide Children's Hospital, Columbus, OH, Nov 30, 2007. Keynote lecture. "The Single Most Important Message of the AHA 2005 Guidelines on Cardiopulmonary Resuscitation" Lecture. "Bad Medicine: Potentially Harmful or Ineffective Medical Practices."
63. North Pittsburgh Chapter of the Rotary Club, Pittsburgh, PA, Nov 19, 2007. "The importance of CPR"
64. Pittsburgh Plate and Glass (PPG) Environmental, Health and Safety Professionals Meeting. Pittsburgh, PA, Dec 11, 2007. "CPR Anytime."
65. Grand Rounds at the Center for Emergency Medicine, Pittsburgh, March 27, 2008. "Bias in Clinical Research: the Devil is in the Details".
66. CHP Molecular Medicine Research Seminar, Rangos Conference Center, Pittsburgh, July 8, 2008. "Cyclopentenone Prostaglandins and Protein Disulfide Isomerase in Hypoxic Ischemic Brain Injury."
67. Pediatric Travel Club, Renaissance Hotel, Pittsburgh, Sept 20, 2008. "Pittsburgh and Resuscitation Science."

68. Combined Pediatric and Emergency Medicine Grand Rounds at Brody School of Medicine, East Carolina University, Greenville, NC, January 27, 2009. "Cardiopulmonary Resuscitation: Current Recommendations and Future Directions."
69. Emergency Medicine Conference at Brody School of Medicine, East Carolina University, Greenville, NC, January 27, 2009. "Bad Medicine: Potentially Harmful or Ineffective Medical Practices."
70. Grand Rounds at the Center for Emergency Medicine, Pittsburgh, April 2, 2009. "Diagnosis of Urinary Tract Infection in Children"
71. Saint Barnabas Medical Center ED Symposium, Livingston, NJ, May 27, 2010. "Pediatric Resuscitation"
72. 2010 Pediatric Emergency Medicine Conference, Nationwide Children's Hospital, Columbus, OH, June 4-5, 2010. June 4 Keynote lecture. "Clearing up the cloudy urine: Diagnosis of Urinary Tract Infections" June 5 Lecture. "Bad Medicine: Potentially Harmful or Ineffective Medical Practices."
73. Grand Rounds at the Center for Emergency Medicine, Pittsburgh, July 22, 2010. "Shock"
74. Take Heart Austin Conference, Austin, TX, October 29, 2010. "A New Paradigm in Oxygen Therapy."
75. Three Rivers Clinical Pediatric Update. Pittsburgh, PA, May 19, 2011. "Bronchiolitis: Approach to the Happy Wheezer."
76. Grand Rounds at the University of Pittsburgh, Department of Pediatrics. Pittsburgh, PA, Sept 29, 2011 "CPR: Changes and Challenges"
77. Grand Rounds at the Department of Emergency Medicine, Pittsburgh, Feb 2, 2012. "Bronchiolitis"
78. Update in Acute and Emergency Care Pediatrics (Tennessee EMSC), Nashville, TN, April 13, 2012. "CPR: Changes and Challenges" and "Bad Medicine: Harmful or Ineffective Medical Practices"
79. Grand Rounds at the Children's Hospital of Philadelphia. Philadelphia, PA, Nov 7, 2012. "CPR: Changes and Challenges"
80. Grand Rounds at the Department of Emergency Medicine, Pittsburgh, January 24, 2013. "Septic Shock"
81. Pediatric Emergency Medicine Fellows Conference 2013. Austin, TX, February 24, 2013. "Pregnant Virgins; Deaf Frogs Can't Jump" and Other Cautionary Tales of Research Gone Awry"
82. Department of Emergency Medicine, University of Pittsburgh, Invited Speakers Series for K12 Scholars. University Club, Pittsburgh, Dec 18, 2013. "Lessons Learned in a Career Comprising Basic, Translational and Clinical Research"
83. Grand Rounds at the University of Pittsburgh Sports Medicine Clinic. Pittsburgh, PA, Jan 8, 2015. "How Does Concussion Interface with the Pediatric ED? Challenges and Opportunities" Co-presented with Dr. Noel Zuckerbraun
84. Fifteenth Annual John Templeton Jr. Pediatric Trauma Symposium. Pittsburgh, March 6, 2015. "What Deadwood Bob Taught Me About CPR."
85. Visiting Professor at Albany Medical Center, Albany, NY, September 30, 2015. Combined Grand Rounds to Departments of Emergency Medicine and Pediatrics: "Clearing Up the Cloudy Urine: When and How to Look For UTIs in Young Children."
86. Visiting Professor at Albany Medical Center, Albany, NY, September 30, 2015. Grand Rounds to Department of Emergency Medicine: "Bad Medicine: Potentially Harmful or Ineffective Medical Practices."
87. Grand Rounds at the Department of Emergency Medicine, Pittsburgh, February 4, 2016. "Talking to Parents and Patients"
88. Grand Rounds at Children's Hospital of Pittsburgh, Pittsburgh, PA, February 11, 2016. "Bad Medicine: Potentially Harmful or Ineffective Medical Practices."

89. Pittsburgh EMS, Pediatric Case Review, April 22, 2016.
90. American Heart Association, Strive to Revive Conference, Cranberry, PA, November 4, 2016. "Selected Pediatric Topics"
91. Grand Rounds at the Department of Emergency Medicine, Pittsburgh, March 2, 2017. "Discharge instructions"
92. Pediatric Emergency Medicine Fellows Conference 2017. Las Vegas, NV, April 24, 2017. Plenary Speaker: "Bad Medicine: Potentially Harmful or Ineffective Medical Practices."
93. Unified Fellows Course Jan 3 & Jan 9, 2019. "Bias in Clinical Research"
94. Grand Rounds at the Department of Emergency Medicine, Pittsburgh, August 22, 2019. "Visual Diagnosis."

6. National and International

1. American Academy of Pediatrics annual meeting. San Francisco, CA. October 1992. Oral Presentation. "Outpatient Treatment of Bronchiolitis with Albuterol Administered by Metered Dose Inhaler with a Spacer."
2. Ambulatory Pediatric Association annual meeting. Seattle, WA. May 1994. Oral Presentation. "Pediatric prehospital cardiopulmonary arrest."
3. International Conference on Pediatric Resuscitation. Washington, DC. June 1994. Poster presentation. "Pediatric prehospital cardiopulmonary arrest."
4. International Conference on Pediatric Resuscitation. Washington, DC. June 1994. Poster presentation. "Neurologic outcome following asphyxial cardiac arrest in rats: changes in the acoustic startle reflex."
5. International Conference on Pediatric Resuscitation. Washington, DC. June 1994. Poster presentation. "Neurologic outcome following asphyxial cardiac arrest in rats: performance in the Morris water maze."
6. Society for Neuroscience 27th Annual Meeting. New Orleans, LA. October 1997. Poster Presentation. "Molecular cloning and expression of the rat stress gene CPN10 from ischemic brain."
7. Society for Neuroscience 27th Annual Meeting. New Orleans, LA. October 1997. Poster Presentation. "Expression of the 10 kD heat shock protein following asphyxial cardiac arrest in the rat."
8. Society for Neuroscience 28th Annual Meeting. Los Angeles, CA. November 1998. Oral Presentation. "Cerebral resuscitation with prolonged, delayed spontaneous hypothermia after asphyxial cardiac arrest in rats."
9. Ambulatory Pediatric Society-Society for Pediatric Research. San Francisco, CA. May 1999. Oral Presentation. "Delayed, spontaneous hypothermia reduces neuronal damage after asphyxial cardiac arrest in rats."
10. International Guidelines 2000 Conference on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care, American Heart Association. Dallas, TX. February 2000. "Basic Life Support – Adults. The sequence of lay rescuer CPR: Is there an ideal rescuer approach?"
11. International Guidelines 2000 Conference on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care CPR, American Heart Association. Dallas, TX. February 2000. "Basic Life Support – Children. Call first versus call fast."

12. International Guidelines 2000 Conference on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care, American Heart Association. Dallas, TX. February 2000. "Postresuscitation Care: Induced hypothermia."
13. Emergency Cardiac Care Update 2000, International Educational Conference and Exposition, San Diego, CA. September 2000. "Infant/Child CPR."
14. Ambulatory Pediatric Society-Society for Pediatric Research. Baltimore, MD. April, 2001. Oral Presentation. Iatrogenic Fever Worsens Neurologic Injury in Rats Resuscitated from Asphyxial Cardiac Arrest."
15. Emergency Cardiovascular Care Update 2002: International Educational Conference and Update. Wash D.C. September 5, 2002. Update from the Pediatric Subcommittee of the American Heart Association.
16. 2002 AAP Annual Conference and Exhibition. Boston, MA. October 22, 2002. Respiratory Emergencies and Resuscitation Controversies (Dialogue Session).
17. 2003 AAP Annual Conference and Exhibition. New Orleans, LA. November 1, 2003. APLS. The Pediatric Emergency Medicine Course (Course Instructor).
18. 2003 AAP Annual Conference and Exhibition. New Orleans, LA. November 2, 2003. APLS. The Pediatric Emergency Medicine Course (Course Instructor).
19. 2003 AAP Annual Conference and Exhibition. New Orleans, LA. November 3, 2003. PALS for the Experienced Provider: Airway Management and Catastrophic Illness. (Organizer and Instructor).
20. 7th Scientific Congress of the European Resuscitation Council. Budapest, Hungary. September 11, 2004. "Unanswered Questions in Paediatric Resuscitation".
21. 2004 AAP Annual Conference and Exhibition. San Francisco, CA. October 9, 2004. APLS: The Pediatric Emergency Medicine Course (Part I). "Toxicology".
22. 2004 AAP Annual Conference and Exhibition. San Francisco, CA. October 10, 2004. APLS: The Pediatric Emergency Medicine Course (Part 2). "Medicolegal Issues".
23. 2004 AAP Annual Conference and Exhibition. San Francisco, CA. October 11, 2004. "Resuscitation Controversies".
24. 2005 International Liaison Councils on Resuscitation (ILCOR) Conference on Emergency Cardiovascular Care and CPR, Dallas, TX. January 23-29, 2005. Co-Chair and Moderator, Pediatric Life Support Oral Sessions.
25. First Annual Assembly of Pediatric Emergency Medicine, American College of Emergency Physicians. Washington, DC. April 12, 2005. "Cool Heads for Pediatric Resuscitation".
26. 2005 8th Wolf Creek Conference on Resuscitation. Rancho Mirage, CA. June 10-13, 2005. Invited Speaker and panel moderator. "Cardiopulmonary Resuscitation".
27. 2005 American Heart Association Scientific Sessions. Dallas, TX. November 13, 2005. Invited speaker. Special Sessions - What is "hot" and "cold" in cardiopulmonary resuscitation: Scientific controversies in the development of the 2005 CPR and emergency cardiovascular care guidelines. "New Science of Pediatrics and Newborn Resuscitation."
28. Second Annual Assembly of Pediatric Emergency Medicine, American College of Emergency Physicians. Chicago, IL. April 24, 2006. "The New AHA Guidelines: Where is the Evidence?"
29. 8th Scientific Congress of the European Resuscitation Council. Stavanger, Norway. May 11, 2006. "Interactive Session on Pediatric and Neonatal Resuscitation". Panel moderator.
30. 8th Scientific Congress of the European Resuscitation Council. Stavanger, Norway. May 12, 2006. "Pediatric Resuscitation Research: an Ethical Dilemma".

31. 2006 AAP Annual Conference and Exhibition. Atlanta, GA. October 8, 2006. "Pediatric Update: 2006 Revised AHA Guidelines for Emergency Cardiovascular Care & CPR." Lead faculty for 3.5 h joint session of the Sections for Emergency Medicine, Critical Care and Cardiology.
32. 2006 AAP Annual Conference and Exhibition. Atlanta, GA. October 8, 2006 (repeated Oct 9). "An In-depth Look at the New AHA Guidelines: NRP and PALS." Co-presented with Dr. Jeffrey Perlman (Neonatology)
33. National Association of EMS Physicians Annual Meeting. Naples, FL, January 13, 2007. "The Single Most Important Change in the New AHA Guidelines on Cardiopulmonary Resuscitation for Pediatric Patients."
34. 2007 9th Wolf Creek Conference on Resuscitation. Indian Wells, CA, June 21-24, 2007. Panel Moderator.
35. X Congresso Paulista de Terapia Intensiva, Campos do Jordao, Brazil, Aug 29-Sept 1, 2007. Three Lectures: 2005 Guidelines on CPR; Controversies in CPR: Therapeutic Hypothermia.
36. 2007 Resuscitation Science Symposium, AHA Scientific Sessions, Orlando, FL, Nov 3-4, 2006. Panel Moderator.
37. 9th Scientific Congress of the European Resuscitation Council. Ghent, Belgium. May 22-24, 2008. Panel moderator for an interactive session and a free paper session.
38. Annual Assembly of Pediatric Emergency Medicine, American College of Emergency Physicians. Boston, MA, April 14-16, 2009 "Clearing Up the Cloudy Urine: When and How to Look for UTI in Children"
39. Annual Assembly of Pediatric Emergency Medicine, American College of Emergency Physicians. Boston, MA, April 14-16, 2009 "Visual Diagnosis of the Middle Ear: Test Your Knowledge"
40. 2010 International Liaison Councils on Resuscitation (ILCOR) Conference on Emergency Cardiovascular Care and CPR, Dallas, TX. February 1-6, 2010. Co-Chair of Conference. Member of Steering Committee. Member of Pediatric Task Force, Moderated several panels. Presented abstracts at both plenary and task force breakout sessions.
41. American Academy of Pediatrics, 2010 PREP:EM, Chicago, IL, August 7-11, 2010. "Pediatric Resuscitation"
42. American Academy of Pediatrics, 2010 PREP:EM, Chicago, IL, August 7-11, 2010. "Shock"
43. Spark of Life, Perth, Australia May 8 2011. "Who should be taught paediatric CPR and how should we teach it?"
44. Spark of Life, Perth, Australia May 9 2011. "Oxygen toxicity post-resuscitation: are we doing harm?"
45. American Academy of Pediatrics, 2012 PREP:EM, Denver, CO, August 4-8, 2012. "Shock"
46. American Academy of Pediatrics, 2012 PREP:EM, Denver, CO, August 4-8, 2012. "Pediatric and Neonatal Resuscitation"
47. American Academy of Pediatrics, 2012 PREP:EM, Denver, CO, August 4-8, 2012. "Environmental Emergencies"
48. Advanced Pediatric Emergency Medicine Assembly, American College of Emergency Physicians. NY, NY, March 18, 2014 "Use of Oxygen in Pediatric Resuscitation: Too Much Can be a Bad Thing" and "Panel Discussion: Masters of Resuscitation".
49. 2014 Emergency Medical Services for Children Program Meeting, Washington, DC, July 29-August 1, panel moderator for "Research in Prehospital Care: Models for Success"
50. American Academy of Pediatrics, 2014 PREP:EM, Washington, DC, August 2-6, 2014. "Pediatric and Neonatal Resuscitation"
51. American Academy of Pediatrics, 2014 PREP:EM, Washington, DC, August 2-6, 2014. "Shock"

52. American Academy of Pediatrics, 2014 PREP:EM, Washington, DC, August 2-6, 2014. "Non-traumatic Abdominal Emergencies"
53. American Academy of Pediatrics, 2014 PREP:EM, Washington, DC, August 2-6, 2014. "Adult emergencies in the pediatric emergency department"
54. Society of Critical Care Medicine Annual Meeting. San Antonio TX, Feb 25,2018. " Pediatric Critical Care Collaborative Study Groups: State of the Union."
55. American Academy of Pediatrics, 2018 PREP:EM, Philadelphia, PA,July 28-August 1, 2018. "Non-traumatic Abdominal Emergencies"
56. American Academy of Pediatrics, 2018 PREP:EM, Philadelphia, PA,July 28-August, 2018. "Pediatric Resuscitation"
57. American Academy of Pediatrics, 2018 PREP:EM, Philadelphia, PA,July 28-August 1, 2018. "Visual Diagnosis"
58. First International Congress on Pediatric Emergency and Critical Care. Mexico City, Mexico, September 13, 2018. "Que hacer con el paciente con traumatismo craneoencefalico leve: TC vs vigilancia" (To CR or not CT patients with head injury)
59. First International Congress on Pediatric Emergency and Critical Care. Mexico City, Mexico, September 14, 2018. "Pacientes con paro cardiorrespiratori: lo enfrio o no lo envrio. Que dice la evidencia?" (To cool or not cool pateints following cardiac arrest: what is the evidence) "Patients Resuscitated from Cardiac Arrest: Cool or Not?"
60. First International Congress on Pediatric Emergency and Critical Care. Mexico City, Mexico, September 15, 2018. "Diagnostico visual en el paciente pediatrico en la sala de Urgencias" (Visual Diagnosis)

Grants: Current

Active Injury Management (AIM) after Pediatric Concussion

PI: Thomas

CO-I: Robert W. Hickey

CDC

1U01CE002944

2018 - 2022

% Effort: 1.20 Calendar Months (10% Effort)

Evaluation of a Rapid Diagnostic Test for Categorization of Acute Respiratory Illness (RADICAL IIA)

PI: Woods

Site-PI: Robert W. Hickey

NIAID

UM1AI104681

2018-2019

Effort: 0.60 Calendar Months (5% Effort)

Development and Testing of a Pediatric Cervical Spine Injury Risk Assessment Tool

PI: Leonard

Site-PI: Robert W. Hickey

NIH

1R01HD091347
2018-2019
Effort: 0.60 Calendar Months (5% Effort)

Great Lakes Emergency Medical Services for Children Research Network (GLEMSCRN)
PI: Stanley
Site PI: Robert W. Hickey
HRSA
2 U03MC288440500
2019 - 2023
% Effort: 1.2 Calendar Months (10% Effort)

Core plus Option AC Influenza Surveillance and Vaccine Effectiveness
PI: Zimmerman
Co-Investigator: Robert W. Hickey
CDC
5U01IP000467
2014-2021
Effort: 0.60 Calendar Months (5% Effort)

New Vaccine Surveillance Network
PI: Williams
Co-Investigator: Robert W. Hickey
CDC
1U01IP001051
2016-2017
Effort: 1.20 Calendar Months (10% Effort)

“RNA Biosignatures: A Paradigm change for the Management of Young Febrile Infants”
PI: Mahajan
Site Co-Investigator: Robert W. Hickey
NIH, NICHD
5R01HD085233
2016 - 2019
Effort: 0.12 Calendar Months (1% Effort)

Grants: Prior

.“Emergency Department Screen for Teens at Risk for Suicide (ED-STARS)”
PI: Jacqueline M Grupp-Phelan, University of Michigan
Site PI: Robert W. Hickey
National Institutes of Health, NIMH
#U01MH104311
20014-2017
%Effort: 1.2 Cal Months (10% Effort)

“Established Status Epilepticus Treatment Trial (ESETT)”

PI: Jaideep Kapur, University of Virginia
Site PI: Robert W. Hickey
National Institutes of Health, HINDS
U01 NS088034
2014-2019
%Effort: 0.6 Cal Months (5% Effort)

“Corticosteroids for Children with Febrile Urinary Tract Infections”

PI: Nader Shaikh
Co-Investigator: Robert W. Hickey
National Institutes of Health, UKGD
#1 R01 DK087870-01A1
\$3,731,385 (5 year total)
2011-2016
%Effort: 0.6 Cal Months (5% Effort)

“Pediatric Emergency Care Applied Research Network”

Program Director: Robert W. Hickey
HRSA, MCHB, EMSC
UO3MC22685
\$2,520,000 (4 year total)
2011-2015
% Effort: 3.6 Cal Months (30% Effort)

“An Operator-Blinded Study of the Efficacy of ShuntCheck-Micro-Pumper.”

PI: Swoboda
Site PI: Robert W. Hickey
National Institutes of Health, NINDS
R44 NS067772
2014 – 2015

“Short Course Therapy for Urinary Tract Infection in Children (SCOUT)”

PI: Theoklis Zaoutis
Co-Investigator: Robert W. Hickey
National Institutes of Health, NIDDK
#BAA-NIAID-DMID-A12008025
2009-2015
%Effort: 1.2 Cal Months (10% Effort)

“A Multi-Center, Outpatient, Surveillance Study of Respiratory Syncytial Virus (RSV) Infection.

Goal: Prospective, observational study to collect clinical outcome and nasal viral load data.”
Role: Site PI
Industry Sponsored: Gilead Sciences
2013-2014

“The Performance of the AppyScore™ Test in the Evaluation of Possible Acute Appendicitis
Goal: Blinded prospective study evaluating the performance of the AppyScore (proprietary) in
diagnosing ED patients at low risk for acute appendicitis.”

Role: Site PI

Industry Sponsors: AspenBio Pharma
2013-2014

“Intravenous Magnesium for Sickle Cell Vasocclusive Crisis (MAGIC)”

PI: David Brousseau

Co-Investigator: Robert W. Hickey
National Institutes of Health, NICHD
R01 HD062347
\$1,689,783 (initial total award)
04/09/2010 – 02/28/2014
% Effort: 0.15 Months (1.25% Effort)

“Cyclooxygenase 2 and Ischemic Neuronal Injury”

PI: Steven Graham

Co-investigator: Robert W. Hickey
National Institutes of Health, NINDS
#RO1NS037459
2009-2014
%Effort: 1.2 Cal Months (10% Effort)

“Therapeutic Hypothermia after Pediatric Cardiac Arrest (THAPCA) Trials”

PI: F Moller

Co-Investigator: Robert W. Hickey
National Institutes of Health, NICHD
3U01HL094345
2009-2015
%Effort: 1.2 Cal Months (10%)

“COX2-Derived Cyclopentenone Prostaglandins Exacerbate Hypoxic-Ischemic Brain Injury by
Inhibiting Protein Disulfide Isomerase and Worsening Endoplasmic Reticulum Stress”

PI: Robert W. Hickey

National Institutes of Health, NICHD
R21HD058846
\$416,625 (3 year total)
7/01/09-6/30/12
%Effort: 3 Cal Months (25% Effort)

“Divergent Pathways of Cell Death after Brain Injury”

PI: Robert SB Clark

Co-Investigator: Robert W. Hickey
National Institutes of Health, NINDS
#2RO1NS038620
2009-2011

%Effort: 0.6 Cal Months (5% Effort)

“Paraspinal Intramuscular Ropivacaine Injection for the Treatment of Acute Headache in Children”

Co-Investigator: Robert W. Hickey, MD

National Headache Foundation

3/1/2009 – 2/28/2010

Amount: \$3,000 (direct costs only)

“Gender Specific Treatment of Pediatric Cardiac Arrest”

PI: Robert Clark, MD

Co-Investigator: Robert W. Hickey

National Institutes of Health, NICHD

#5RO1 HD045968

5/1/05 – 2/28/10

.24 calendar months – No Salary Support

“A Randomized, Double-blind, Placebo-controlled Trial of Antimicrobial Prophylaxis in Children with Vesicoureteral Reflux and Urinary Tract Infection”

PI: A Hoberman

Co-Investigator: Robert W. Hickey

National Institutes of Health, NIDDK

#:5U01DK074053-02

\$: 1,483,514 (5 year total)

2005-2010

% Effort: 1.07 Cal Months (8.9% Acad Months)

“Cyclooxygenase-2 and excitotoxicity in developing rat brain”

PI: Robert W. Hickey

University of Pittsburgh, Competitive Medical Research Fund, New Investigator Award

7/03 – 7/05

\$25,000

“COX-2 and injury in the immature brain”

PI: Robert W. Hickey

National Institutes of Health, NICHD

KO-8 HD040848

7/01-7/06

\$623,430

% Effort: 8 Cal Months

“COX-2 and excitotoxicity in developing rat brain”

PI: Robert W. Hickey

Children's Hospital of Pittsburgh Research Advisory Committee

1/01 – 12/01

\$30,000

“Cyclooxygenase-2 and ischemic neuronal injury”

PI: SH Graham

Co-investigator: Robert W. Hickey

National Institutes of Health, NINDS
2/00 – 7/01
\$50,000

“Systemic administration of the caspase inhibitor BAF will augment hypothermic neuroprotection in a rat model of asphyxial CA”
PI: Robert W. Hickey
The Laerdal Foundation for Acute Medicine
11/98-11/01
\$10,000

“Characterization of genes regulating cell death in asphyxiated rat brains”
PI: Robert W. Hickey
Children's Hospital of Pittsburgh Research Advisory Committee
07/01/97-06/30/98
\$38,192

“Characterization of heat shock protein 10 expression in asphyxiated rat brains”
PI: Robert W. Hickey
Children's Hospital of Pittsburgh
07/1/96-06/30/97
\$9,986

“Patient vs. outpatient treatment of young febrile children with urinary tract infection”
PI: AJ Hoberman
Co-Investigator: Robert W. Hickey
Subcontract, Laerdal
01/01/94-12/1/95
\$60,000

“Outcome of patients with cardiopulmonary arrest prior to arrival in the emergency department”
PI: Robert W. Hickey
Roessler Scholarship
01/01/93-08/14/93
\$2,248

“Development of a model for the evaluation of neurologic outcome following asphyxial arrest in rats”
PI: Robert W. Hickey
Ohio State University Seed Grant
01/01/92-12/31/92
\$11,000

“Prevalence of urinary tract infections in febrile infants”
PI: AJ Hoberman
Co-Investigator: Robert W. Hickey
Research Advisory Committee Grant, University of Pittsburgh
1991

\$14,000

“Prevalence of urinary tract infections in febrile infants”

PI: AJ Hoberman

Co-Investigator: Robert W. Hickey

General Clinical Research Center, University of Pittsburgh
1991

\$22,600

Service

1. University and Medical School

Medical Advisory Committee, 1/96-5/98

Trauma Steering Committee, 1/96-5/98

Disaster Committee (Chairperson), 1/96-5/98

Pharmacy and Therapeutics Committee, 1/96-5/98

Human Rights Committee, 6/98-7/00

Condition A (Code) Committee, 5/01-6/10

Pediatric Clinical and Translational Research Center (PCTRC) Steering Committee 2/09-9/12

Clinical Resource Management Committee (CRM) 1/09-present

Data Warehouse Steering Committee 2012-present

Co-developed the PEM participation in the undergraduate course “First Experiences in Research” (ARTSC 0130) 07-present

Scholarship Oversight Committee for CHP-PEM Fellowship 05-present

Program Evaluation Committee for the PEM Fellowship 2015-present

Clinical Pathway Guidelines Committee 9/09-present

 Bronchiolitis Pathway

 New-onset Seizures Pathway

 Treatment of Hypertension Pathway

 Hyperbilirubinemia Pathway

Predictive Data Analytics Task Force, member 5/16-present

Faculty Mentor Committee for Ray Pitetti, MD 05-08

Faculty Mentor Committee for Sylvia Garcia, MD 05-07

Faculty Mentor Committee for Miora Manole 06-11

Faculty Advisor for Pediatric Resident 04-present (Meghan Chiu, Danny Thomas, Kerry Caperell, Addie Eichmann, Ronald Seese, Omar Afandi)

Faculty mentor for medical student research project (Ben Cobb 2010-2012)

Faculty mentor for Nurse Practitioner candidate Kelly Shoup (2012)

Faculty mentor for PEM fellow Tiffani Johnson (several research projects and grant submissions) (2011-2012)

Faculty mentor for Nurse Practitioner candidate Marie Panas (2013)

Faculty mentor for medical student research project (Michelle Perry 2013)

Faculty co-mentor for Pediatric Resident research project (Jeremy Root 2014)

Faculty mentor for Medical Student Research Elective MSELCT 5720 (9/15, 10/15); 4th year medical student: Michelle Perry

Faculty member/advisor for Research Oriented Activities for Residents (ROAR) 2015-present
Search Committee for Chief of Diagnostic Referral Service 2017

2. **National**

Reviewer for Archives of Pediatric and Adolescent Medicine, Pediatrics, Pediatric Emergency Medicine Reports, Resuscitation, Pediatric Critical Care, Pediatric Research, Annals of Emergency Medicine, Critical Care Medicine, and Academic Emergency Medicine

Reviewer of Society for Pediatric Research abstracts submitted to Pediatric Academic Societies Annual Meeting (2006-present)

American Heart Association, Emergency Cardiovascular Care Committee (Member 3/97-present; Vice-Chairperson 7/03-7/05, Chairperson 7/05-7/07)

American Heart Association, Emergency Cardiovascular Care Committee, Pediatric Emergency Cardiac Care Subcommittee (Member 3/97-present; Chairperson 7/01- 7/03)

American Heart Association, Science Advisory and Coordinating Committee (SACC), 7/04-7/07

Maternal and Child Health Bureau: Emergency Services for Children, Grant Review Committee Member (reviewer, 1/03)

Pediatric Life Support Education Collaboration Committee (Sponsored by AAP), 6/01-6/03

International Liaison Committee on Resuscitation (ILCOR), 6/01-6/10

Chairperson, International Liaison Committee on Resuscitation (ILCOR) Pediatric Resuscitation Task Force, 6/02-07

American Heart Association Manuscript Oversight Committee, 2005-07

American Heart Association Cardiopulmonary and Perioperative Care Council Leadership 2006-07

Co-Chair, American Heart Association Emergency Cardiovascular Care Leadership Committee 2005-07

Conference Co-Chair, 2010 International Consensus Conference on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. 2007-2010

American Heart Association International Committee, 2007-2010

International Cardiology Foundation, Board Member, 2007-2010

American Heart Association, Emergency Cardiovascular Care Business Management Committee, (Member 2008-present; Chairperson 2010-2012)

American Heart Association, Corporate Operations Coordinating Committee, 6/10-6/12

American Heart Association, Consumer Health and Quality Coordinating Committee, 6/10-6/12

NIH Medical-Surgical Emergency Research Roundtable, 4/30/09-5/1/09

Pediatric Emergency Care Applied Research Network (PECARN), Principal Investigator for the PRIDENET node, 9/2011-2015

Pediatric Emergency Care Applied Research Network (PECARN), Principal Investigator for the CHP site of the GLMSCRN node, 2016-present

Chairperson, PECARN: Quality Assurance, Safety and Regulatory Subcommittee, 2011-2015

Pediatric Academic Societies Annual Meeting: Panel Moderator; Emergency Medicine Platform Session, April 29, 2012; Boston

NIH, NHLBI, Study Section, Special Emphasis Panel, PETAL RFA. December 9-10, 2013.

NIH Study Section, Special Emphasis review Panel (SEP) on SBIR grants for Neonatal Resuscitation. March 27, 2013.

Invited Participant, 2015 International Consensus Conference on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care, February 1-3, 2015.

American Heart Association writing group for 2015 Pediatric Advanced Life Support Guidelines

American Academy of Pediatrics, National Conference and Exhibition. . Moderator: Scientific Abstract Session I. San Francisco, CA, October 21, 2016

NIH Study Section, Special Emphasis Panel, Dissemination and Implementation Research in Health (DIRH), February 22, 2017.

Pediatric Academic Societies Annual Meeting. Moderator: Abstract Session. San Francisco, CA, May 8, 2017.

3. Community

Judge, Science Fair 3/93, 3/94, 3/95

Camp Physician, Emma Kaufman Camp 7/97

Soccer Coach, North Allegheny Youth Soccer League 3/00-11/06

Habitat for Humanity 11/00

Ingomar North Swim Club, Board member 9/00-9/02

Formerly Employed Mothers at the Leading Edge, "Ask the Pediatrician" 9/01

Mothers and More, "Ask the Pediatrician," 11/03

Boy Scouts of America Merit Badge Counselor (First Aid, Public Health, Disaster Preparedness) 06-11

Boy Scouts of America Summer Camp Adult Leader 04-10

AHA Community Strategies Group 08-10

CPR training for Boy Scouts of America, Troop 171 3/07, 4/08, 6/09, 6/10, 5/11, 4/12

Boy Scouts of America, Troop 171 Merit Badge Weekend (First Aid) 2/08, 1/10

Saint John's Lutheran Church of Highland, Social Concerns Class:

 "Vaccines and Society" (3/14)

 "Ebola" 4/15

 "Science vs. Religion" 5/15

 "Global Warming" 11/15

 "Medication Costs" 5/16

 "The Next Pandemic" 2/18

Inaugural meeting of the PreMed Club at DeSales University 4/2018: "From DeSales University to a life in medicine"