

CURRICULUM VITAE

RACHEL PARDES BERGER, MD, MPH

BIOGRAPHICAL

Name: Rachel Pardes Berger Birth Date: 5-26-71
Business address: Pittsburgh Child Advocacy Center Birth Place: New York, NY
Children's Hospital of Pgh
3705 Fifth Avenue Citizenship: USA
Pittsburgh, PA 15213
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EDUCATION AND TRAINING

Undergraduate

1988 -1992 Harvard University Bachelor of Arts
Cambridge, MA Biochemistry, cum laude
Dean's list all semesters

Graduate

1992 - 1996 Columbia College of Physicians & Surgeons Doctor of Medicine
New York, NY

Postgraduate

1996 - 1999 Children's Hospital of Pittsburgh Internship/Residency
Pittsburgh, PA Pediatrics
1999 - 2001 Children's Hospital of Pittsburgh Fellowship
Pittsburgh, PA General Academic Pediatrics
1999 - 2001 University of Pittsburgh School Master's of Public Health
of Public Health
Pittsburgh, PA

APPOINTMENTS AND POSITIONS

Academic

9/04 - present Member, Pennsylvania State Child Abuse and Neglect Work
Group

4/03 - present	Pediatrician, ARCH Clinic Children's Hospital of Pittsburgh Pittsburgh, PA
7/01 - present	Children's Hospital of Pittsburgh Asst. Professor of Pediatrics University of Pittsburgh School of Medicine Pittsburgh, PA
7/01 - present	Director, Child Abuse Research Safar Center for Resuscitation Research University of Pittsburgh
7/01 - present	Member, Child Protection Team Pittsburgh Child Advocacy Center Children's Hospital of Pittsburgh Pittsburgh, PA
4/02 - 4/03	Director, Failure to Thrive Program Pittsburgh Child Advocacy Center Children's Hospital of Pittsburgh Pittsburgh, PA
7/01 - 4/03	Director, Pediatric Partners Pittsburgh Child Advocacy Center Children's Hospital of Pittsburgh Pittsburgh, PA
7/99 – 6/01	Instructor University of Pittsburgh School of Medicine Pittsburgh, PA
7/99 – 6/06	Western Psychiatric Institute & Clinic Medical Staff Attending Pittsburgh, PA

CERTIFICATION AND LICENSURE

Specialty Certification

1999 - 2006	Diplomat, American Board of Pediatrics
2006 - 2013	Recertification, American Board of Pediatrics

Medical Licensure

1996 - present	Pennsylvania Medical License
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MEMBERSHIP in PROFESSIONAL and SCIENTIFIC SOCIETIES

2006 – 2007	Society for Advancement of Violence and Injury Research (SAVIR)
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2004 - present	Helfer Society (Honorary Society for experts and leaders in the field of child abuse and neglect)
2002 - 2008	International Society for Prevention of Child Abuse and Neglect (ISPCAN)
2001 - present	American Professional Society on the Abuse of Children (APSAC)
2001 - present	Fellow, American Academy of Pediatrics
1999 – 2004	Ambulatory Pediatrics Association
1996 - present	American Academy of Pediatrics – Member of Section on ‘Child Abuse and Neglect’
1996 - present	ΑΩΑ (Medical Honor Society)

HONORS

2006	Selected as one of Pittsburgh’s ‘40 Under 40’ for work related to child abuse
2004	Michael E. Miller Young Investigator Award (awarded to most promising young investigator at Children’s Hospital of Pittsburgh)
2002, 2003	Selected in <i>Best Doctors in America</i>
2003 - present	Member, Society for Pediatric Research (SPR)
2001	Ambulatory Pediatric Association Fellows Award
1998, 1999	Winner, Emergency Department Case of Week Children’s Hospital of Pittsburgh
1996	William Perry Watson Prize in Pediatrics, Columbia University School of Medicine

PUBLICATIONS

Peer- Reviewed Publications:

1. **Berger RP**, Wadowsky RM. Rhabdomyolysis associated with *Mycoplasma pneumoniae* infection: A case report. *Pediatrics* 2000;105(2):433-436.
2. **Berger RP**, Pierce MC, Wisniewski S, Adelson PD, Clark RSB, Ruppel R, Kochanek P. Neuron-specific enolase and S100B in cerebrospinal fluid after severe traumatic brain injury in infants and children. *Pediatrics* 2002;109(2):e31.
3. **Berger RP**, Pierce MC, Wisniewski S, Adelson PD, Kochanek PM. Serum S100B concentrations are increased after closed head injury in children: A preliminary study. *J Neurotrauma* 2002;19(11):1405-1409.
4. **Berger RP**, Bogen B, Dulani T, Broussard E. Implementation of a program to teach pediatric residents and faculty about domestic violence. *Archives of Pediatric and Adolescent Medicine* 2002;156(8):804-810.
5. Pitetti R, Maffei F, Chang K, Hickey R, **Berger RP**, Pierce MC. Prevalence of retinal hemorrhages and child abuse in children presenting with an apparent life-threatening event. *Pediatrics* 2002;110:557-562.
6. Herr S, Pierce MC, **Berger RP**, Ford H, Pitetti RD. Does valsava retinopathy occur in infants? An initial investigation in infants with vomiting due to pyloric stenosis. *Pediatrics* 2004;113(6):1658-1661.
7. **Berger RP**, Heyes M, Wisniewski S, Adelson D, Thomas N, Kochanek P. Assessment of the macrophage marker quinolinic acid in cerebrospinal fluid after pediatric traumatic brain injury: Insight into the timing and severity of injury in child abuse. *J Neurotrauma* 2004;21(9):1123-1130.

8. Ettaro L, **Berger RP**, Songer T. Abusive head trauma in young children: characteristics and medical charges in a hospitalized population. *Child Abuse and Neglect: The International Journal* 2004;28(10):1099-1111.
9. Morad Y, Avni I, Benton S, **Berger RP**, Capra L, Esernio-Jenssen D, Feldman K, Gustavson E, Huyer D, Kodsi S, Lukefahr J, Levitt C, Mian M, Topley J, Levin A. Children with shaken baby syndrome and normal cranial computerized tomography of brain on hospital admission. *Journal of the American Association for Pediatric Ophthalmology and Strabismus* 2004;8:445-450.
10. **Berger RP**, Adelson PD, Dulani T, Pierce M, Cassidy L, Kochanek PM. Serum neuron-specific enolase, S100B and myelin basic protein concentrations after inflicted and non-inflicted traumatic brain injury in children. *J Neurosurgery* 2005;103(1):61-68.
11. Satchell M, Lai Y, Kochanek P, Wisniewski S, Fink E, **Berger RP**, DeKosky S, Adelson PD, Clark R. Cytochrome c, a biomarker of apoptosis, is increased in cerebrospinal fluid from infants with inflicted brain injury from child abuse. *J Cerebral Blood Flow & Metabolism* 2005;25(7):919-927.
12. **Berger RP**, Dulani T, Adelson PD, Leventhal JM, Richichi R, Kochanek PM. Identification of inflicted traumatic brain injury in well-appearing infants using serum and cerebrospinal markers: A possible screening tool. *Pediatrics* 2006;117(2):325-332.
13. **Berger RP**, Adelson PD, Richichi R, Kochanek P. Serum biomarkers after traumatic and hypoxemic brain injuries: Insight into the biochemical response of the pediatric brain to inflicted brain injury. *Dev Neurosci* 2006;28:327-335.
14. **Berger RP**, Kochanek P. Urinary S100B concentrations are increased after brain injury in children: A preliminary study. *Ped Crit Care Med* 2006;7:557-561.
15. Campbell KA, Bogen DL, **Berger RP**. The other children: A survey of child abuse physicians on the medical evaluation of children living with a physically abused child. *Arch Ped Adol Med* 2006;160:1241-1246.
16. Beers S, **Berger RP**, Adelson PD. Neurocognitive outcome and serum biomarkers in inflicted vs. non-inflicted traumatic brain injury in young children. *J Neurotrauma* 2007;24(1):97-105
17. Shore P, **Berger RP**, Varma S, Janesko K, Wisniewski S, Clark R, et al. Cerebrospinal fluid biomarkers versus Glasgow Coma Scale and Glasgow Outcome Scale in pediatric traumatic brain injury: The role of young age and inflicted injury. *J Neurotrauma* 2007;24(1):75-86
18. Gao W, Mandeep CS, **Berger RP**, Gilbert OS, Allen DL, Pisano M, Adelson PD, Clark RSB, Jenkins L, Kochanek P. A gel-based proteomic comparison of human cerebrospinal fluid between inflicted and non-inflicted pediatric traumatic brain injury. *J Neurotrauma* 2007;24(1):43-53.
19. Campbell KA, **Berger RP**, Ettaro L, Roberts MS. Cost-effectiveness of head computed tomography in infants with possible inflicted traumatic brain injury. *Pediatrics* 2007;120:295-304.
20. Buttram SDW, Wisniewski SR, Jackson EK, Adelson PD, Feldman K, Bayir H, **Berger RP**, Clark RSB, Kochanek PM. Multiplex assessment of cytokine and chemokine levels in cerebrospinal fluid following severe pediatric traumatic brain injury: Effects of moderate hypothermia. *J Neurotrauma* 2007; 24(11): 1707-1717.
21. **Berger RP**, Beers SR, Richichi R, Wiesman D. Serum biomarker concentrations and outcome after pediatric traumatic brain injury. *J Neurotrauma*. 2007; 24 (12): 1793-1801.
22. Fink EL, Lai Y, Zhang X, Janesko-Feldman K, Adelson PD, Szabó C, **Berger RP**, Sarnaik AA, Kochanek PM, Clark RSB. Quantification of poly(ADP-ribose)-

- modified proteins in cerebrospinal fluid from infants and children after traumatic brain injury. *Journal of Cerebral Blood Flow and Metabolism* 2008 May 28:1-7.
23. **Berger RP**, Richichi R. Derivation and validation of an equation for adjustment of neuron-specific enolase concentrations in hemolyzed serum. *Pediatric Critical Care Medicine* In press. (March 2009)
 24. **Berger RP**, T'asan S, Rand A, Lokshin A, Kochanek P. Multiplex assessment of serum biomarker concentrations in well-appearing children with inflicted traumatic brain injury. *Pediatric Research* In press. (January 2009)
 25. Campbell KA, Squires J, Cook L, **Berger RP**. Disparities in the medical examination of children living with a physically abused child. *Child Abuse and Neglect: The International Journal* In revision.
 26. Vitale MA, Squires JE, Zuckerbraun NS, **Berger RP**. Evaluation of the siblings of physically abused children: A survey of child protective services caseworkers. *Arch Ped Adol Med* In submission.
 27. Duffy S, Squires J, Vogeley, **Berger RP** The use of skeletal surveys to screen for physical abuse: Analysis of 706 consecutive skeletal surveys *Pediatrics* in submission

Book chapters/Invited reviews/Editorials/Letters:

1. Kochanek PM, **Berger RP**, Jenkins LW. Biochemical and molecular mechanisms after severe traumatic brain injury in children. In: 2002 Yearbook of Intensive Care and Emergency Medicine Ed. J.L. Vincent, p680-698.
2. Pierce MC, Bertocci G, **Berger RP**, Vogeley E. Injury biomechanics for aiding in the diagnosis of non-accidental head trauma. *Neurosurgery Clinics of North America* 2002;13:155-168.
3. **Berger RP**. Biochemical, metabolic and molecular responses in the brain after inflicted childhood neurotrauma – Response. In: Reece R and Nicholson C, editors. *Inflicted Childhood Neurotrauma. Proceedings of a conference sponsored by Department of Health and Human Services, National Institutes of Health, National Institute of Child Health and Human Development, Office of Rare Diseases, National Center for Medical Rehabilitation Research*; 2002 Oct 10-11; Bethesda (MD):203-205.
4. **Berger RP**. Biomarkers or neuroimaging in central nervous system injury: Will the real "gold standard" please stand up? *Ped Crit Care Med* 2003;4(3):391.
5. **Berger RP**, Pierce MC, Kochanek P. Biochemical markers of brain injury: Could they be used as diagnostic adjuncts in cases of inflicted traumatic brain injury? *Child Abuse and Neglect: The International Journal* 2004;28(7):739-754.
6. **Berger RP**, Adelson PD. Evaluation and management of pediatric head trauma in the emergency department: Current concepts and state-of-the-art research. *Clinical Pediatric Emergency Medicine* 2005;6(1):8-15.
7. **Berger RP**, Adelson PD, Kochanek P. Response to a Letter to the Editor. *Journal of Neurosurgery* 2006;104(6 Suppl Pediatrics):436.
8. **Berger RP**. The use of serum biomarkers to predict outcome after traumatic brain injury in adults and children. *J Head Trauma Rehabilitation* 2006;21(4):315-333.
9. **Berger RP**, Hymel K, Gao W. The use of biomarkers after inflicted traumatic brain injury: Insight into etiology, pathophysiology and biochemistry. *Clinical Pediatric Emergency Medicine* 2006;7(3):186-193.
10. Bechtel K, **Berger RP**. Inflicted traumatic brain injury: Making the diagnosis in the emergency department. *Clinical Pediatric Emergency Medicine* 2006;7(3):138-142.

11. Kochanek PM, Bayir H, **Berger RP**, Dixon CE, Jenkins L, Kline AE, Tisherman S, Wagner AK, Clark RSB. The Safar Center for Resuscitation Research: Searching for breakthroughs in the new millennium. *General Reanimatology* 2006;11(5-6):15-25.
12. Kochanek P, **Berger RP**, Jenkins L, Margulies S. Inflicted childhood neurotrauma: new insight into the detection, pathobiology, prevention, and treatment of our youngest patients with traumatic brain injury. *J Neurotrauma* 2007;24(1):1-4.
13. Runyan DK, **Berger RP**, Barr RG. Defining an ideal system to establish the incidence of inflicted traumatic brain injury: Summary of the consensus conference. *Am J Preventive Medicine* 2008;34(4S):S163-S168.
14. **Berger RP**. Diagnosing abusive head trauma: A primer for health care providers. *Brain Injury Professional* 2008;5(1):18-20.
15. Kochanek PM, **Berger RP**, Bayir H, Wagner A, Jenkins LW, Clark RSB. Biomarkers of primary and evolving damage in traumatic and ischemic brain injury: Diagnosis, prognosis, probing mechanisms, and therapeutic decision making. *Current Opinion in Critical Care* 2008;14:135-141.
16. **Berger RP** Biochemical Markers of Head Trauma in Children in *Child Abuse and Neglect: Diagnosis, Treatment and Evidence*. Elsevier press. Publication date: Early 2009

Published and Presented Abstracts:

1. **Berger RP**, Janesko K, Wisniewski S, Adelson PD, Clark R, Pierce MC, Kochanek PM. Neuron-specific enolase and S100B in cerebrospinal fluid after severe accidental and abusive head trauma in children. *Ped Research* 2001;49(4):43A. Also presented at 2001 San Diego Conference on Responding to Child Maltreatment.
2. **Berger RP**, Pierce MC, Janesko K, Brown D, Wisniewski S, Adelson PD, Dulani T, Kochanek PM. Serum S100B concentrations are increased after traumatic brain injury in children. *Ped Research* 2001;49(4):157A.
3. Ettaro L, **Berger RP**, Songer, T. Medical care charges associated with shaken baby syndrome. *Ped Research* 2001;49 (4):162A.
4. Pitetti RD, Maffei F, **Berger RP**, Hickey R, Pierce MC. Prevalence of retinal hemorrhages in children presenting with an apparent life-threatening event. *Ped Research* 2001;49(4):92A.
5. **Berger RP**, Pierce MC, Brown D, Wisniewski S, Adelson PD, Kochanek PM. Serum neuron-specific enolase and S100B concentrations are increased after inflicted and non-inflicted traumatic brain injury in children. *Ped Research* 2002;51(4):493.
6. Herr S, Pierce MC, Ford H, Brandom B, Pitetti R, **Berger RP**. Defining the incidence of retinal hemorrhages in infants with vomiting due to pyloric stenosis. *Ped Research* 2002;51(4):570.
7. Ettaro L, **Berger RP**, Songer T. Hospital charges associated with abusive head trauma. *Ped Research* 2002;51(4):1071.
8. Morad Y, Avni I, Benton SA, **Berger RP**, Byerley JS, Coffman K, Greeley CS, Gustavson EE, Levitt CJ, Lenane A, Topley J, Levin AV. Children with shaken baby syndrome and normal cranial computerized tomography of brain on hospital admission. Presented at the Helfer Society (Honorary Child Abuse Society), Montebello, Quebec 10/2/03-10/4/03.
9. **Berger RP**, Adelson PD, Janesko K, Cassidy L, Brown D, Pierce MC, Kochanek PM. Serum neuron-specific enolase, S100B and myelin-basic protein are

- increased after inflicted and non-inflicted traumatic brain injury in children. *J Neurotrauma* 2003;20(10):1114.
10. **Berger RP**, Adelson PD, Dulani T, Brown D, Pitetti R, Kochanek P. Measurement of serum biomarkers of brain injury in infants at increased risk of inflicted traumatic brain injury. *Ped Research* 2004;55(4):233.
 11. Dulani T, Kochanek P, Brown D, **Berger RP**. S100B but not neuron-specific enolase or myelin-basic protein concentrations are increased in children with meningitis. *Ped Research* 2004;55(4):238.
 12. Beers S, **Berger RP**, Skold A, Adelson PD. Neurocognitive outcome and relationship to serum markers in infants and young children following inflicted vs. noninflicted traumatic brain injury. *Ped Research* 2004;55(4):70.
 13. **Berger RP**, Dulani T, Bauch A, Adelson PD, Kochanek P. Comparison of the time course of serum biomarkers after hypoxia, inflicted and non-inflicted traumatic brain injury in children. *PAS* 2005;57:56.
 14. **Berger RP**, Janesco K, Kochanek P. Urinary S100B concentrations are increased after traumatic and hypoxic brain injury in children. *PAS* 2005;57:2923.
 15. Buttram S, Wisniewski S, Adelson PD, Janesko-Feldman K, Jackson E, Bayir H, **Berger RP**, Clark R, Kochanek P. A comprehensive assessment of the cytokine response after severe pediatric TBI: Effects of moderate hypothermia. *Crit Care Med* 2005;33:A3.
 16. Wiesman D, Beers S, Richichi R, Adelson PD, **Berger RP**. Increased serum biomarker concentrations predict poor outcome after pediatric traumatic brain injury. *PAS* 2006;59:4335.3.
 17. Campbell K, **Berger RP**, Roberts M. Detecting inflicted traumatic brain injury: A cost-effectiveness analysis. *PAS* 2006;59:2912.437.
 18. Campbell K, Bogen D, **Berger RP**. The risk of abuse in children living with a physically abused child: Results of a national survey. *PAS* 2006;59:2913.438.
 19. Salonia R, Poloyac S, Ruppel RA, Klamerus M, Feldman K, Adelson PD, **Berger RP**, Bell MJ, Clark RSB, Bayir H, Fink E, Kochanek PM. Therapeutic hypothermia exacerbates increased cerebrospinal fluid endothelin-1 levels in infants and children after severe traumatic brain injury. *J Neurotrauma* 2008;25(7):892.

Non-Published Abstracts:

1. Ettaro L, Songer TJ, **Berger RP**. The cost of abusive head trauma in young children. Presented at the 6th World Conference on Injury Prevention and Control, Montreal, Canada, May 2002.
2. Morad Y, Avni I, Benton S, **Berger RP**, Capra L, Esernio-Jenssen D, et al. Characteristics of children with shaken baby syndrome diagnosed despite no signs of intracranial bleeding on computerized tomography on admission. The American Academy of Pediatric Ophthalmology and Strabismus Annual Conference, Hawaii, March 2003.
3. Varma S, Janesko KL, **Berger RP**, Wisniewski SR, Adelson PD, Shore PM, Kochanek PM. Neuron-specific enolase and Glasgow Coma Score in pediatric traumatic brain injury. Proceedings of the National Center for Injury Prevention and Control Conference, Atlanta, GA, April 28-29, 2003.
4. Duffy SO, Squires J, Stitt R, Wiesman D, Sporter R, Vogeley E, **Berger RP**. Assessing the use of skeletal surveys to evaluate for trauma: Can we predict which children are most likely to have clinically unsuspected fractures? 22nd San Diego Conference on Child & Family Maltreatment, San Diego, CA, January 31, 2008.

5. Vitale MA, Squires J, Zuckerbraun NS, **Berger RP**. Evaluation of the siblings of physically abused children: A survey of child protective services workers. Platform presentation, 2008 American Academy of Pediatrics Meeting, Boston, Massachusetts, October 2008

OTHER RESEARCH RELATED ACTIVITIES

Ad Hoc Reviewer:

Archives of Pediatric and Adolescent Medicine
Child Abuse Quarterly Medical Update
Child Abuse and Neglect: The International Journal
Pediatric Critical Care Medicine
European Journal of Pediatrics
Critical Care Medicine
Clinical Chemistry
Lancet
WPIC Scientific Research Committee
Journal of Neurotrauma
Pediatrics
Neuroscience Letters

Chairperson, University of Pittsburgh Institutional Data and Safety Monitoring Board
IDSMB (#0040) for study of Hypothermia after Pediatric Cardiac Arrest (PI: Ericka Fink)

Invited speaker and participant: NIH Roundtable on Opportunities to Advance Research
on Neurological and Mental Health Emergencies - Washington DC - 12/3/08 – 12/4/08
Title of presentation: **Brain Injury Markers and Diagnosis in Children**

PROFESSIONAL ACTIVITIES

Lectures/Teaching/Invited Conferences

2009

Conference: The Pediatric Injured Brain
Center for Brain & Behavior at the Hospital for Sick Children, Toronto, CA
Invited Presentation: **Non-accidental brain injury in children**
Date: 7/9/09 Planned

2008

Floating Hospital for Children at Tufts Medical Center: Grand Rounds
Presentation: **Using serum biomarkers and a clinical decision rule to improve the
recognition of inflicted traumatic brain injury**
Date: 11/19/08

Compassionate Allowance Outreach Hearing on Brain Injuries and Stroke: Social
Security Administration
Ft. Meyers, Virginia
Transcript of testimony available at :
<http://www.socialsecurity.gov/compassionateallowances/SSA%20Outreach%20Hearing-15Berger.pdf>
Date: 11/18/08
Seventh North American Conference on Shaken Baby Syndrome (Abusive Head
Trauma)

Invited keynote address panel member: **What are the three most significant developments as an expert in your field? Biomarkers to detect shaken baby syndrome/abusive head trauma**

Invited Workshop: **The use of biomarkers to detect abusive head trauma: New developments**

Date: 10/6/08

Webster Memorial Lecture

Seattle Children's Hospital: Grand Rounds

Presentation: **Using biomarkers to screen for inflicted traumatic brain injury: How close are we to clinical use?**

Date: 7/31/08

3rd Annual Conference on Hope and Healing

Children's Hospital of Pittsburgh

Presentation: **Understanding Medical Evaluation for Child Maltreatment: Abusive Head Trauma**

Date: 4/26/08

University of Pittsburgh School of Medicine

Presentation: **Recognizing Child Physical Abuse**

Date: 3/11/08

Pediatric South, Mt. Lebanon, PA

Presentation: **Pennsylvania SCAN Express program (Suspected Child Abuse and Neglect)**

Date: 2/28/08

Century III Medical Associates, West Mifflin, PA

Presentation: **Pennsylvania SCAN Express Program (Suspected Child Abuse and Neglect)**

Date: 2/15/08

San Diego International Conference on Child and Family Maltreatment

Invited presentation 1: **Using serum biomarkers to screen for inflicted traumatic brain injury: How close are we to clinical use? Update**

Invited presentation 2: **The ABCs of ITBI: What everyone who works in child maltreatment should know about inflicted traumatic brain injury**

Date: 1/31/08

PA Department of Health Training Center, Beaver, PA

Presentation: **Pennsylvania EPIC-SCAN program (Educating Physicians in their Communities - Suspected Child Abuse and Neglect)**

Date: 1/10/08

2007

Pediatrics South – Robinson, PA

Presentation: **Pennsylvania SCAN Express Program (Suspected Child Abuse and Neglect)**

Date: 12/11/07

Trauma Conference, Children's Hospital of Pittsburgh
Presentation: **Biochemical Changes in Serum and CSF after Pediatric Head Trauma: Is There a Biochemical Fingerprint for Inflicted Traumatic Brain Injury?**
Date: 10/2/07

PA Department of Health Training Center, Greensburg, PA
Presentation: **Pennsylvania EPIC-SCAN program (Educating Physicians in their Communities - Suspected Child Abuse and Neglect)**
Date: 9/21/07

Pittsburgh Clinical Neurotrauma Consortium, Pittsburgh, PA
Presentation: **Biochemical Changes in Serum and CSF after Pediatric Head Trauma: Is There a Biochemical "Fingerprint" for Inflicted TBI?**
Date: 9/12/07

Mon Valley Family Physicians and Ripepi Pediatrics, Monongahela, PA
Presentation: **Pennsylvania EPIC-SCAN program (Educating Physicians in their Communities - Suspected Child Abuse and Neglect)**
Date: 7/30/07

Pediatric Abusive Head Trauma: Keynote Address
Pennsylvania State University, Milton S. Hershey Medical Center
Presentation: **Biochemical Changes in Cerebrospinal Fluid and Serum in Head Trauma**
Date: 7/12/07

Metro Family Practice, Pittsburgh, PA
Presentation: **Pennsylvania EPIC-SCAN program (Educating Physicians in their Communities - Suspected Child Abuse and Neglect)**
Date: 6/19/07

2nd Annual Conference on Hope and Healing
Children's Hospital of Pittsburgh
Presentation: **Failure to Thrive and Neglect: The Challenge of Evaluating Something that Doesn't Happen**
Date: 4/26/07

Mercy Hospital of Pittsburgh, Pittsburgh, PA
Presentation: **Pennsylvania EPIC-SCAN program (Educating Physicians in their Communities - Suspected Child Abuse and Neglect)**
Date: 3/12/07

21st Annual San Diego International Conference on Child Maltreatment Invited speaker
Presentation: **The Use of Biomarkers for Detection of Inflicted Traumatic Brain Injury**
Date: 1/23/07

2006

University of Pittsburgh School of Public Health
Presentation: **Child Maltreatment: A Public Health Epidemic**
Date: 10/12/06

Measuring the Incidence of Inflicted Childhood Neurotrauma (Shaken Baby Syndrome)
Invited Conference
Location: Seattle, Washington
Date: 10/5/06-10/6/06

6th North American Conference on Shaken Baby Syndrome: Keynote address
Presentation: **A New Approach to the Detection of Inflicted Traumatic Brain Injury**
Date: 9/15/06

Department of Rehabilitation Medicine Grand Rounds
University of Pittsburgh
Presentation: **The Use of Serum Biomarkers to Predict Outcome after TBI**
Date: 7/19/06

International Child Abuse Research Ethics Consensus Conference - Invited Conference
Location: Toronto, CA
Date: 6/7/06-6/8/06

Safar Center for Resuscitation Research Monthly Lecture Series
Presentation: **Serum Biomarkers after Pediatric TBI: An Update**
Date: 5/31/06

Children's Hospital Trauma Lecture Series
Presentation: **Serum Biomarkers after Pediatric TBI: An Update**
Date: 5/9/06

First Annual Conference on Hope and Healing: Exploring Domestic Violence and Child Abuse

Children's Hospital of Pittsburgh
Presentation: **Inflicted Traumatic Brain Injury: A Primer**
Date: 4/27/06

Children's Hospital of Pittsburgh: Pediatric Grand Rounds
Presentation: **A New Approach to the Detection of Inflicted Traumatic Brain Injury**
Date: 4/27/06

University of Pittsburgh
Center for Injury Research and Control: Webinar
Presentation: **Identification of inflicted traumatic brain injury in well-appearing infants using serum and cerebrospinal markers: A possible screening tool**
Date: 4/4/06

University of Pittsburgh School of Medicine
Presentation: **The Spectrum of Child Abuse**
Date: 3/15/06

Children's Hospital of Pittsburgh Residency Training Program
Presentation: **Bruises and Skin Findings: When is it abuse and when is it something else?**
Date: 3/6/06

Children's Hospital of Pittsburgh: Department of Pediatrics Research Retreat
Presentation: **A New Approach to the Detection of Inflicted Traumatic Brain Injury**
Date: 2/18/06

New York University Medical Center: Pediatric Grand Rounds
Presentation: **A New Approach to the Detection of Inflicted Traumatic Brain Injury**
Date: 2/14/06

2005

Children's Hospital of Pittsburgh Residency Training Program
Presentation: **Foster Care**
Date: 8/9/05

University of Pittsburgh Emergency Medicine Lecture Series
Presentation: **Inflicted Traumatic Brain Injury**
Date: 7/28/05

Children's Hospital Trauma Lecture Series
Presentation: **The Use of Biomarkers in Pediatric Traumatic Brain Injury**
Date: 7/26/05

Children's Hospital of Pittsburgh Residency Training Program
Presentation: **Domestic Violence and the Pediatrician: Why, When and How to Ask and What to do if the Answer is "Yes"**
Date: 6/29/05

Conference: Safar Center for Resuscitation Research Noon Conference
Presentation: **A New Approach to the Detection of Inflicted Traumatic Brain Injury**
Date: 6/8/05

Conference: Moms and Cops
Presentation: **The Realities of Child Abuse and Shaken Infant Syndrome**
Date: 5/20/05

Conference: Pediatric Academic Societies' Annual Meeting
Presentation: **Traumatic Brain Injury in Infants and Children; A New Approach to the Detection of Inflicted Childhood Neurotrauma**
Date: 5/14/05

Conference: KidsVoice
Presentation: **Developmental Outcome after Inflicted Traumatic Brain Injury**
Date: 5/10/05

University of Pittsburgh School of Medicine
Presentation: **The Spectrum of Child Abuse**
Date: 3/22/05, 7/27/05, 9/21/05

Conference: Moms and Cops
Presentation: **The Realities of Child Abuse**
Date: 2/24/05

2004

Conference: National Association of Physical Medicine and Rehabilitation
Presentation: **New Advances in Prognosis After Traumatic Brain Injury: Serum Biomarkers**
Date: 10/8/04

Conference: Pennsylvania Child Death Review Team
Presentation: **Using Biochemical Markers of Brain Injury to Decrease Morbidity and Mortality from Inflicted Traumatic Brain Injury**
Date: 10/6/04

University of Pittsburgh, School of Social Work
Presentation: **Failure to Thrive: The Multidisciplinary Approach to Evaluation and Treatment**
Date: 9/10/04

Conference: Developmental Neuropsychology: Research Informing Practice
Presentation: **Neuropsychological Outcomes after Pediatric Traumatic Brain Injury: Bringing Together the Fields of Pediatrics and Neuropsychology**
Date: 5/20/04

University of Pittsburgh School of Medicine
Presentation: **The Spectrum of Child Abuse**
Dates: 1/15/04, 1/29/04, 3/5/04

Children's Hospital of Pittsburgh Residency Training Program
Presentation: **Domestic Violence: How to Screen and What to do if the Answer is "Yes"**
Date: 1/19/04

Children's Hospital of Pittsburgh Residency Training Program
Presentation: **Biochemical Markers of Brain Injury**
Dates: bi-monthly on-going

2003

Department of Adolescent Medicine, Children's Hospital of Pittsburgh
Presentation: **Pennsylvania EPIC-SCAN program (Educating Physicians in their Communities - Suspected Child Abuse and Neglect)**
Date: 8/28/03

Children's Hospital of Pittsburgh Emergency Department Lecture Series
Presentation: **The Use of Biochemical Markers in Pediatric Brain Injury**
Date: 8/27/03

HealthyCHILD Program (provides developmental healthcare support in early childhood settings)
Presentation: **Working with Socially Vulnerable Families**
Date: 7/24/03

University of Pittsburgh School of Medicine
Presentation: **The Spectrum of Child Abuse**
Dates: 7/24/03

Allegheny County Intermediate Unit/Head Start Child Care Consultant Round Table Meeting
Presentation: **Physical Abuse, Sexual Abuse and Neglect: The Role of the Day Care Provider and Home Visitor in Identification and Reporting**
Date: 4/08/03

Children's Hospital of Pittsburgh Seminar Series
Presentation: **Using Biochemical Markers of Brain Injury to Detect Abusive Head Trauma**
Date: 3/20/03

Department of General Academic Pediatrics
Fellowship conference
Presentation: **Balancing Work and Family**
Date: 2/18/03

2002

University of Pittsburgh
Safar Center for Resuscitation Research
Presentation: **Using Biochemical Markers of Brain Injury to Detect Abusive Head Trauma**
Date: 12/11/02

University of Pittsburgh School of Medicine
Medicine, Ethics and Society
Panel presentation **Practicing Outside of the Box**
Date: 11/20/02

Three Rivers Clinical Pediatric Update, Pittsburgh, PA
Presentation: **Caring for Children in Foster Care: Challenges for the Pediatrician**
Date: 6/8/02

University of Pittsburgh School of Medicine
Presentation: **The Spectrum of Child Abuse**
Dates: 5/30/02, 11/7/02, 12/19/02

Resident Noon Conference, Children's Hospital of Pittsburgh
Presentation: **Caring for Children in Foster Care: Challenges for the Pediatrician**
Date: 6/4/02

Adolescent Department Noon Conference, CHP
Presentation: **Caring for Adolescents in Foster Care: Challenges for the Primary Care Physician**

Date: 2/21/02

2001

National Association for Regulatory Administration – 2001 National Licensing Seminar

Presentation: **Health and Safety Risks in Foster Care**

Date: 10/1/01

University of Pittsburgh School of Medicine

Presentation: **The Spectrum of Child Abuse**

Dates: 1/11/01, 2/08/01, 7/19/01 and 11/8/01

Resident Noon Conference, Children's Hospital of Pittsburgh

Presentation: **Caring for Children in Foster Care: Challenges for the Pediatrician**

Date: 5/16/01

Resident Continuity Clinic Conference, Children's Hospital of Pittsburgh

Presentation: **Domestic Violence and the Pediatrician. Why, When and How to Ask and What to do if the Answer is "Yes"**

Dates: 4/2/01, 4/3/01, 4/4/01, and 4/5/01

Grand Rounds, Children's Hospital of Pittsburgh

Presentation: **Domestic Violence- What Every Pediatrician Needs to Know**

Date: 7/26/01

Resident Conference, Children's Hospital of Pittsburgh

Presentation: **Domestic Violence- What Every Pediatrician Needs to Know**

Dates: 1/8/01, 1/9/01, 1/10/01, and 1/11/01

Jewish Community Center, Pittsburgh, PA

Presentation: **Ask the Pediatrician**

Date: 3/23/01

Northview Heights Family Practice, Pittsburgh, PA

Presentation: **Pennsylvania EPIC-SCAN program (Educating Physicians in their Communities - Suspected Child Abuse and Neglect)**

Date: 3/16/01

Pittsburgh Pediatrics, Pittsburgh, PA

Presentation: **Pennsylvania EPIC-SCAN program (Educating Physicians in their Communities - Suspected Child Abuse and Neglect)**

Date: 9/7/01

2000

University of Pittsburgh School of Medicine

Presentation: **The Spectrum of Child Abuse**

Dates: 5/4/00 and 9/14/00

Resident Continuity Clinic Conference, Children's Hospital of Pittsburgh

Presentation: **The Normal GU Exam**

Date: 2/16/00

COMMUNITY SERVICE

Member, Expert Review Panel, for The Centers for Disease Control and Prevention's tool kit, "Heads up: Brain Injury in Your Practice"
2007

Member, Advisory Council
Strong Women, Strong Girls (mentoring program for girls at high-risk of dropping out of school)
Pittsburgh, PA
2007-present

Pennsylvania Commission on Crime and Delinquency: Child Abuse and Neglect Work Group
Harrisburg, PA
2004 - present

Ad hoc member, The Pennsylvania Attorney General's Medico-Legal Advisory Board on Child Abuse
Harrisburg, PA
2001- 2006

Member, Family Services Division Committee
Jewish Community Center
Pittsburgh, PA
2005

Member, Gateway Health Care Plan Physician Advisory Board
Pittsburgh, PA
Date: 2002-2005

Member, Board of Directors
Hilltop Community Day Care
Pittsburgh, PA
Date: 2001-2003

RESEARCH GRANTS

Active

Grant No.	Grant Title	Role	Years	Source
RAC bridge application	Novel Approaches to Screening for Inflicted Childhood Neurotrauma	Principal Investigator	2008-2009	Children's Hospital of Pittsburgh of UPMC
1U49CE001 274-01	Pennsylvania Abusive Head Trauma Prevention Program	Co-investigator	2007-2010	Centers for Disease Control and Prevention (CDC)
Dept of Defense – Army TATRC	Biomarkers: Treating Acute and Chronic Traumatic Brain Injury	Co-investigator	2008-2009	Department of Defense (DOD)
UL1 RR024153	Using a Blood Test and a Clinical Decision Rule to Identify Brain Injury in Infants	Principal Investigator	2007-2008	PCTRC
R49/CCR32 3155-01	Center for Injury Research and Control (CIRCL) – Center Grant. Improving the diagnosis and prognosis of inflicted traumatic brain injury in infants	Co-investigator	2003-2009	Centers for Disease Control and Prevention (CDC)
1K23HD438 43-01	Using Biochemical Markers to Detect Abusive Head Trauma	Principal Investigator	2003-2009, currently in a no-cost extension	National Institutes of Health (NIH)

Pending

Grant No.	Grant Title	Role	Years	Source
1R01HD055 986-01A2	Novel Approaches to Screening for Inflicted Childhood Neurotrauma	Principal investigator	Pending October 2008 Council	NIH
1R01NS064 981-01	Pediatric Traumatic Brain Injury Consortium: Hypothermia after Inflicted Childhood Neurotrauma	Principal investigator	Initial review Fall 2008	NIH
NA	Center for Injury Research and Control (CIRCL) – Center Grant. Screening for Traumatic Brain Injury in the Primary Care Setting	Principal investigator	Pending review Fall 2008	CDC

Completed

Grant No.	Grant Title	Role	Years	Source
—	Brain images, serum biomarkers, and outcome measures after mild traumatic brain injury in children	Principal Investigator	2005-2006	University of Pittsburgh Pilot Imaging Program
M01 RR00084	Brain images, serum biomarkers, and outcome measures after mild traumatic brain injury in children	Principal Investigator	2005-2006	General Clinical Resource Center (GCRC)
M01 RR00084	Using Biochemical Markers in Pediatric Brain Injury	Principal Investigator	2004-2006	GCRC
—	Brain images, serum biomarkers, and outcome measures after mild traumatic brain injury in children	Principal Investigator	2004-2006	Walter L. Copeland Fund of the Pittsburgh Foundation