

UNIVERSITY OF PENNSYLVANIA SCHOOL OF MEDICINE

Curriculum Vitae

March, 2013

Cindy W. Christian, M.D.

Office Address: The Children's Hospital of Philadelphia
34th Street and Civic Center Blvd.
Room 12NW62
Philadelphia, PA 19104

Education:
1977-1981 B.S. Bucknell University (Animal Behavior)
1981-1985 M.D. Albany Medical College

Postgraduate Training and Fellowship Appointments:
1985-1986 Intern in Pediatrics, The Children's Hospital of Philadelphia,
Philadelphia, PA
1986-1988 Resident in Pediatrics, The Children's Hospital of
Philadelphia, Philadelphia, PA
1988-1989 Fellowship, Child Abuse and Neglect, The Children's Hospital of
Philadelphia, Philadelphia, PA

Faculty Appointments:
1991-1992 Clinical Associate in Pediatrics
University of Pennsylvania School of Medicine
1992-1994 Clinical Assistant Professor of Pediatrics – CHOP
University of Pennsylvania School of Medicine
1994-2003 Assistant Professor of Pediatrics – CHOP
University of Pennsylvania School of Medicine
2003-2011 Associate Professor of Pediatrics – CHOP
University of Pennsylvania School of Medicine
2011- Professor of Pediatrics – CHOP
Perelman School of Medicine at the University of Pennsylvania

Hospital and Administrative Appointments:
1988-1999 Consulting Pediatrician, Supportive Adult Child Network,
Philadelphia, PA
1988-1989 Staff Pediatrician, Children's Hospital Abington Memorial
Pediatric Service, Abington
1989-1999 Assistant Physician, Department of Pediatrics, Children's Hospital
of Philadelphia, Philadelphia, PA

- 1999- Associate Physician, Department of Pediatrics, Children's Hospital of Philadelphia, Philadelphia, PA
- 2001- Faculty Director, The Field Center for Children's Policy, Practice and Research, University of Pennsylvania
- 2001-2009 Co-Director, Safe Place: The Center for Child Protection and Health at The Children's Hospital of Philadelphia
- 2004- President, CHOP Alumni Association
- 2009-2013 Director, Safe Place: The Center for Child Protection and Health at The Children's Hospital of Philadelphia
- 2010- Medical Director, Department of Human Services, Philadelphia, PA
- 2013- Assistant Dean for Diversity and Inclusion, Perelman School of Medicine at The University of Pennsylvania
- 2013- Co-Chair, Healthcare Policy Sponsor Team, Department of Public Welfare, Pennsylvania

Specialty Certification:

- 1989 American Board of Pediatrics
- 2010 Child Abuse Pediatrics, American Board of Pediatrics

Licensure:

- Pennsylvania
- New York

Awards, Honors and Membership in Honorary Societies:

- 1985 Alpha Omega Alpha
- 1985 Cum laude, Albany Medical College
- 1985 Women's Medical Association Citation for Outstanding Academic Achievement
- 1985 R.J. Wharton Prize for Proficiency in Pediatrics
- 1992 Citation for excellence in clinical teaching, University of Pennsylvania School of Medicine Class of 1992
- 1996 Penn Pearls Teaching Award – University of Pennsylvania School of Medicine
- 1996 Bucknell University Class of 1981 Achievement Award
- 1997 Resident Division Teaching Award – General Pediatrics Ambulatory Teaching
- 1998 U.S. Department of Health and Human Services Commissioner's Award – Pennsylvania
- 1999 Department of Pediatrics Teaching Honor Roll
- 2000 Christian R. and Mary F. Lindback Award for Distinguished Teaching, University of Pennsylvania
- 2001 Department of Pediatrics Teaching Honor Roll
- 2001- Chair, The Children's Hospital of Philadelphia Prevention of Child Abuse and Neglect
- 2002 Department of Pediatrics Teaching Honor Roll
- 2002 Philadelphia Inquirer, Citizen Hero Editorial, 7/8/02

2003	Department of Pediatrics Teaching Honor Roll
2004	Ray E. Helfer Society Award for Outstanding Leadership
2005	Faculty Honor Roll, CHOP
2006	Faculty Honor Roll, CHOP
2007	Distinguished Advocate Award, The Support Center for Child Advocates, Philadelphia, PA
2007	Faculty Honor Roll, CHOP
2007	Pediatrician of the Year, Pennsylvania chapter of the American Academy of Pediatrics
2008	Faculty Honor Roll, CHOP
2009	Faculty Honor Roll, CHOP
2009	Special Achievement Award for Distinguished Service and Dedication, Pennsylvania Chapter of the American Academy of Pediatrics
2010	Faculty Honor Roll, CHOP
2011	Faculty Honor Roll, CHOP
2011	Alan Lerner Child Advocacy Award, Philadelphia, PA
2012	Honoree, Philadelphia Inquirer Citizen of the Year

Memberships in Professional and Scientific Societies:

Fellow, American Academy of Pediatrics
 Section Member, Child Abuse and Neglect, American Academy of Pediatrics
 Ambulatory Pediatric Association
 Chair, Child abuse Special Interest Group, 2002-2009
 Pennsylvania Governor's Community Partnership for Safe Children (Chair,
 Committee on Child Abuse and Neglect)
 Pennsylvania Attorney General's Medical/Legal Advisory Board on Child Abuse
 Multidisciplinary Team – Department of Human Services, Philadelphia, PA
 Law Enforcement Child Abuse Project of Philadelphia
 Pennsylvania Child Fatality Review Task Force
 Philadelphia Child Fatality Review Team
 Ray E. Helfer Society 1999–
 President 1999-2002
 National Institutes of Health NINDS Fogarty Pediatric Applications Review
 Committee, 2003
 Committee on Child Abuse and Neglect, American Academy of Pediatrics, 2006-
 Chair, Committee on Child Abuse and Neglect, American Academy of Pediatrics,
 2010-
 Philadelphia Child Welfare Review Panel, 2007
 Philadelphia Child Welfare Community Oversight Board, 2008-
 Philadelphia Act 33 Review Team, 2009-
 American Board of Pediatrics, Subboard on Child Abuse Pediatrics member,
 2010-
 Pennsylvania Task Force on Child Protection, Appointed by Governor Corbett,
 2012

Editorial Positions:

1990-	Reviewer, Pediatric Emergency Care
1992-2003	Editor, Child Abuse: A critical review of recent literature Pediatric Emergency and Critical Care, Riverside Press
2000-	Reviewer, Pediatrics
2000-	Reviewer, Child Abuse and Neglect
2002-	Reviewer, Archives of Pediatric and Adolescent Medicine
2003-	Reviewer, The Journal of Pediatrics
2003-	Reviewer, Ambulatory Pediatrics
2008-	Reviewer, Annals of Emergency Medicine
2010-	Editorial Board, The Quarterly Update
2013-	Reviewer, Pediatric Radiology

Academic Committees at the University of Pennsylvania:

1994-2004	Member, Curriculum Committee
1994-2000	Bridging the Gaps – Faculty Advisor
1996	Member, Education Committee (CHOP)
1996	Member, Review Committee for Psychiatry 200
1996-2009	Member, Physician Health Committee (CHOP)
1996-2009	Member, Trauma Committee (CHOP)
1997-2009	Member, Teaching Awards Selection Committee
1998	Member, Clinical Pathways Committee – UTIs (CHOP)
1998	Member, Faculty Compensation Committee (CHOP)
2000	Member, LCME Clinical Teaching Subcommittee
2000	Member, LCME Undergraduate Medical Education Subcommittee
2000-2004	Member, Graduate Medical Education Committee, CHOP
2003-2007	Steering Committee, Medical Faculty Senate (U of PA) Chair, Medical Faculty Senate Steering Committee, 2005-6
2004-	Member, COAP advisory committee on clinical performance
2004-	President, CHOP Alumni Organization
2005	Member, Faculty Satisfaction Survey Committee
2006- 2009	Member, Senate Committee on Faculty and the Administration
2007- 2009	Chair, Senate Committee on Faculty and the Administration
2006-2008	Member, LCME Steering Committee
2008-2010	Chair, Adolescent Division Chief Search Committee
2009-	Member, 21 st Century Scholars Selection Committee
2009-	Member, Finance Committee, Dept. of Pediatrics, CHOP
2009-2010	Member, Search Committee, Dept. Dermatology Chair, U of PA
2011-	Member, Committee on Open Expression, U of PA

Major Teaching and Clinical Responsibilities for the University of Pennsylvania:

1. Director, Pediatrics 310, throughout the year (1994-2010)
2. Medical Director, Child Abuse Services, CHOP
3. Director, Pediatric Clerkship (Pediatrics 200) University of Pennsylvania School of Medicine (1992-2004)
4. Course Director, Medicine 101C (pediatric section) 1990-1998, University of Pennsylvania School of Medicine

5. CARE Clinic, CHOP two afternoons per week
6. Attending Physician, Resident Clinic one afternoon/week (1989-2002)
7. Attending rounds, CHOP two-three months per year
8. Doctoring II course – Faculty (2000-2001)
9. Co-Director, The Medical/Legal Child Advocacy Clinic, (Law 649) University of Pennsylvania School of Law (2002-2010)
10. Doctoring Course – Faculty (2006-2008, 2012)
11. Pediatrics 307- Introduction to Pediatric Physical Examinations- Faculty
12. Learning Team Retreat for Incoming First Year Medical Students- Faculty (2006-)

Lectures by Invitation (past 5 years):

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| August, 2008 | The 5 Bs of child abuse. Crimes Against Children Conference, Dallas Police Department, Dallas, TX |
| Sept, 2008 | The Medical approach to the evaluation of child abuse. PA Children and Youth Solicitor’s Association Child Abuse Summit, Hershey, PA |
| October, 2008 | “Challenges to the diagnosis of abusive head trauma” and “Dummies for Dummies: Biomechanics of abusive head trauma” Seventh North American Conference on Shaken Baby Syndrome, Vancouver, Canada |
| October, 2008 | “Child Physical Abuse” and “Abusive Head Trauma” Mid Atlantic Conference on Child Abuse and Neglect, Ocean City, MD |
| Nov, 2008 | “The 6 Bs of Child Abuse” New York State Police Conference on Child Physical Abuse, Albany, New York |
| March, 2009 | “Unusual manifestations of abuse” and “Abusive Head Trauma” Missouri Safe Care Conference, Jefferson City, MO |
| April, 2009 | “Controversies in Abusive Head Trauma” Hope and Healing Conference, Pittsburgh Child Advocacy Center, Pittsburgh, PA |
| May, 2009 | Christian CW , Ichord R, Manno C. “Common and not so common causes of bleeding in children: understanding how and when to worry about coagulopathies or child abuse. Invited symposium, PAS and alliance meetings, Baltimore, MD |
| May, 2009 | Abusive head trauma, Retinal hemorrhages. Equal Justice Conference, APRI, Denver CO |
| June, 2009 | “Manifestations of child physical abuse” and “Retinal hemorrhages” Investigation and Prosecution of Child Fatalities and Physical Abuse, APRI, National Harbor, Maryland |
| June, 2009 | The medical evaluation of child physical and sexual abuse, Otsego County Child Advocacy Center Conference, Oneonta, NY |
| July, 2009 | Abusive head trauma: clinical overview; Abusive head trauma: differential diagnosis; Abusive head trauma: case illustrations; Nose, mouth and throat injuries from child abuse. PREP: CAP; |

- an intensive review and update of child abuse pediatrics; AAP, Portland, OR
- Sept., 2009 The medical evaluation of the abused child. Broome County Victims of crime conference, Binghamton, New York
- Sept., 2009 The evaluation of child physical and sexual abuse. Niagara County Child Advocacy Center Training, Niagara, New York
- Oct, 2009 Challenges in the field of child protection. Grand rounds, Hershey Medical Center, Hershey, PA
- Oct, 2009 **Christian CW**, Feldman K. "Medical Conundrums in Child Abuse." American Academy of Pediatrics National Conference & Exhibition, Washington, DC
- Nov, 2009 "The 6 Bs of Child Abuse" New York State Police Conference on Child Physical Abuse, Albany, New York
- Feb, 2010 "The 4 Bs of Child abuse" and "Ask the Doctor" Investigation of child fatalities and physical abuse, APRI, Santa Fe, NM
- March, 2010 "Complementary and Alternative Medicine", "Improving the health of foster children", "Children in a Sexualized World", "Issues in Child Abuse", American Academy of Pediatrics, Practical Pediatrics, Orlando, Fla
- March, 2010 "Abusive Head Trauma: Challenges and Controversies" The Spectrum of Developmental Disabilities XXXII: "The injured brain" Johns Hopkins University School of Medicine, Baltimore, MD
- April, 2010 "Abusive Head Trauma", "Confronting Controversies in Abusive Head Trauma" The Carol Ginsburg and Rae Putlack Guest Presenter: The Medical Identification and Legal Protection of Physically Abused Children, Children's Memorial Hospital, Chicago, Ill
- May, 2010 What you need to know from the doctor about child abuse. Equal Justice for Children, APRI, Charleston, SC
- June, 2010 Challenges in Abusive Head Trauma. Grand rounds, Starship Children's Hospital, Auckland, New Zealand
- Sept, 2010 **Christian CW**, Duhaime AC, Margulies S. "What science tells us about abusive head trauma" The Eighth North American Conference on Shaken Baby Syndrome, Atlanta, GA
- Oct, 2010 "The importance of being earnest" International Association of Forensic Nurses Keynote address, Pittsburgh, PA
- Jan, 2011 The medical evaluation of child physical and sexual abuse. Conference on Child Abuse and Neglect, Prevent Child Abuse Louisiana, New Orleans, LA
- Jan, 2011 Playing Nicely: Working together to protect children. Child psychiatry grand rounds, New York University, NY, NY
- Feb, 2011 Keynote address. Delaware Child Abuse Recognition and Reporting Summit, Dover, DE
- March, 2011 Visiting Professor, Mayo Clinic, Rochester, MN

- April, 2011 “Controversies in AHT”, “Unusual Manifestations of Child Abuse”, “Working Together to Protect Children”, Children’s Mercy Hospital, Kansas City, KS
- May, 2011 “The 5 Bs of abuse” and “ask the doctor”. Child Fatalities Conference NCPA, Indianapolis, Indiana
- July, 2011 “Vitamin D, Rickets and Child Abuse: Controversy and Evidence” Third International Pediatric Abusive Head Trauma: Medical, Forensic, & Scientific Advances & Prevention San Francisco, California
- October, 2011 “Radiologic options in the evaluation of child abuse” and “Genetic and Metabolic Mimickers of Child Abuse” American Academy of Pediatrics NCE, Boston, Mass
- October, 2011 “Playing nicely: The importance of interdisciplinary work in caring for maltreated children” Protecting Delaware’s Children Conference, Dover DE
- October, 2011 “The Investigation of Child Physical Abuse” 16th Annual Delaware State Police Homicide Conference
- November, 2011 The investigation of child abuse. New York State Police Conference on Child Physical Abuse, Albany, New York
- November, 2011 “Metabolic and genetic mimickers of child abuse” “Options for radiographic testing in child maltreatment” AAP NCE conference, Boston, Mass
- December, 2011 “Mimickers of child abuse” “ED and inpatient management of asthma and bronchiolitis” “Updates on the management of UTIs” “Protocols for the management of the febrile newborn” Clinica Alemana conference on hospital medicine, Santiago, Chile
- March, 2012 “Abuse of the littlest ones” “Abusive Head Trauma” New York State Association of County Coroners and Medical Examiners Spring 2012 Conference, Buffalo, New York
- April, 2012 “Adenitis”, “Child Maltreatment” “Visual Diagnosis” “Neonatal fever” American Austrian Foundation General Pediatrics course, Salzburg, Austria
- April, 2012 “Working together to protect children” “Updates on child physical abuse” “Updates on child sexual abuse” Sarah Schuh Child Abuse Conference, Charleston, SC
- April, 2012 Metabolic and Genetic mimickers of child abuse. Grand rounds, Medical University of South Carolina, Charleston, SC
- April, 2012 Teaching about Abusive Head Trauma, Palusci V, Duhaime AC, Boos S, Christian CW. PAS workshop, Boston, Mass.
- September, 2012 “Chocolates and Conversation” and “Vitamin D, Rickets and Abuse: Facts and Controversy” 12th Annual Shaken Baby Syndrome/Abusive Head Trauma Meeting, Boston, Mass
- October, 2012 Metabolic and Genetic Mimickers of Child Abuse, Grand rounds NY University, NYC, NY
- October, 2012 Child Physical Abuse, Delaware State Police Homicide

Conference and Capital Case Litigation Training Conference,
Dover, DE
October, 2012 Panel moderator: Moving Forward: A public conversation on
surviving child sexual abuse. Penn State Child Sexual Abuse
Conference, State College, PA
November, 2012 The investigation of child abuse. New York State Police
Conference on Child Physical Abuse, Albany, New York
November, 2012 The 4 Bs of Child Abuse. Child Fatality Conference, APRI,
Honolulu, Hawaii
February, 2013 Metabolic and Genetic mimickers of abuse. Grand rounds,
Dartmouth Medical Center, Hanover, New Hampshire

Organizing Roles in Scientific Meetings

Sept 12-14, 1997	Child Abuse Physician Leadership Conference, Co-organizer, Philadelphia, PA
July 7-8, 1998	2 nd National Child Abuse Physician Leadership Conference, Co-organizer, Philadelphia, PA
June 1-3, 1999	Helfer Society Meeting, Co-organizer, San Antonio, TX
Sept 21-24, 2000	Helfer Society Meeting, President, Midway, Utah
April 18-22, 2002	Helfer Society Meeting, President, Aspen, CO
May 5, 2003	Child Abuse Special Interest Group (SIG), PAS meeting, Seattle, Washington
May 1, 2004	Child Abuse SIG, PAS meeting, San Francisco, CA
March 30, 2005	Moderator, Surgeon General's workshop: Making prevention of child maltreatment a national priority. Bethesda, Maryland
May 15, 2005	Child Abuse SIG, PAS meeting, Washington, DC
April 30, 2006	Child Abuse SIG, PAS meeting, San Francisco, CA
May 5, 2007	Child Abuse SIG, PAS meeting, Toronto, CA
May 4, 2008	Child Abuse SIG, PAS meeting, Honolulu, Hawaii
May 3, 2009	Child Abuse SIG, PAS meeting, Baltimore, MD
2008-	Visual Diagnosis Session, Annual Helfer Meeting (with Ken Feldman, M.D.)
April, 2012	Course Director, General Pediatrics, American-Austrian Foundation, Salzburg, Austria

Bibliography:

Research Publications, peer reviewed:

1. **Christian** CW, Pinto-Martin JA, McGowan KL. The management of Prepubertal children with gonorrhea. *Clinical Pediatrics* 1995;34:415-418.
2. Duhaime AC, **Christian C**, Seidel T, Moss E. Long-term outcome in infants with the shaking-impact syndrome. *Pediatric Neurosurgery* 1996;24:292-298.
3. Duhaime AC, **Christian C**, Armonda R, Hunter J, Hertle R. Disappearing subdural hematomas of infancy. *Pediatric Neurosurgery*, 1996;25:116- 122.

4. **Christian CW**, Scribano P, Seidl T, Pinto-Martin JA. Pediatric injuries resulting from family violence. *Pediatrics*, 1997;99(2).
[URL:http://www.pediatrics.org/cgi/content/full/99/2/28](http://www.pediatrics.org/cgi/content/full/99/2/28).
5. **Christian CW**, Singer ML, Crawford JE, Durbin D. Perianal Herpes-Zoster presenting as suspected child abuse. *Pediatrics*, 1997;99(4):608-610.
6. Duhaime AC, **Christian CW**, Rorke LB, Zimmerman RA. Nonaccidental head injury in infants: the shaken baby syndrome. *New England Journal of Medicine*, 1998;338:1822-9.
7. **Christian CW**, Lavelle JM, Bell LM. Preschoolers with syphilis. *Pediatrics*, 1999;103-44.
8. **Christian CW**, Taylor AA, Hertle RW, Duhaime AC. Retinal hemorrhages due to accidental household trauma. *J Pediatr*, 1999;135:125-7.
9. Louie JP, Osterhault KC, **Christian CW**. Brain abscess following delayed endoscopic removal of an initially asymptomatic esophageal coin. *Pediatric Emergency Care*, 2000;16:102-5.
10. **Christian CW**, Lavelle JM, De Jong AR, Loiselle J, Brenner L, Joffe M. Forensic evidence finding in prepubertal victims of sexual assault. *Pediatrics* 2000;106:100-4.
11. **Christian CW**. Child Abuse. *Trauma Reports* 2000;1:1-12.
12. Giardino AP, Dubow SR, **Christian CW**, Johnson CF. Recognition of prepubertal female genital anatomy: a national survey of pediatric chief residents. *Pediatr Res*, 2000;47:5.
13. Leventhal JM, Griffin D, Duncan K, Starling S, **Christian CW**, Kutz T. Laxative-induced burns to the buttocks incorrectly suspected to be child abuse. *Pediatrics*, 2001;107:178-80.
14. Rubin D, McMillan C, Helfaer M, **Christian CW**. Pulmonary edema as a manifestation of child abuse. *Pediatrics* 2001;108:769-75.
15. Ricci L, **Christian CW**, Reece R, Dubowitz H, Ludwig S. Report of the 1997 Child Abuse Physician Leadership Conference. *Child Maltreatment*, 2002;7:166-9.
16. Lane WG, Rubin DM, Monteith R, **Christian CW**. Racial differences in the evaluation of pediatric fractures for child abuse. *JAMA*, 2002;288:1603-09.
17. Rubin D, **Christian CW**, Bilaniuk LT, Zazyczny KA, Durbin D. Occult head injury in high-risk abused children. *Pediatrics*, 2003;111:1382-6.
18. Bair-Merritt MH, Giardino A, Turner M, Ganetsky M, **Christian CW**. Pediatric Residency Training on Domestic Violence: A National Survey, *Ambulatory Pediatrics*, 2004;4:24-7.
19. Forbes BJ, **Christian CW**, Judkins AR, Kryston K. Inflicted childhood neurotrauma (shaken baby syndrome): Ophthalmic findings. *J Pediatr Ophthalmol & Strabismus*, 2004;41:1-8.
20. Forbes BJ, **Christian CW**, Judkins AR, Saveri M. Inflicted childhood neurotrauma (The shaken baby syndrome): Ophthalmic findings. [Ophthalmic Hyperguide Web site]. July 2004.
21. Dubow SR, Giardino AP, **Christian CW**, Johnson CF. Do Pediatric Chief Residents Recognize Details of Prepubertal Female Genital Anatomy: A National Survey. *Child Abuse and Negl*, 2005;29:195-205.

22. Arbogast KB, Margulies MS, **Christian CW**. Initial neurological presentation in young children sustaining inflicted and unintentional fatal head injuries. *Pediatrics* 2005; 116: 180-184.
23. Friedlaender EY, Rubin DM, Alpern ER, Mandell DS, **Christian CW**, Alessandrini EA. Patterns of Health Care Use that May Identify Young Children At Risk for Maltreatment. *Pediatrics* 2005, 116: 1303-1308.
24. Wood J, Rubin DM, Nance ML, **Christian CW**. Distinguishing Inflicted vs. Accidental Abdominal Injuries in Young Children. *J Trauma*, 2005;59:1203-8
25. Greenbaum J, **Christian CW**. Asphyxiation in children. *Recent Advances in Paediatrics* 2006;23:93-112.
26. Ichord R, Naim M, Pollock A, Nance ML, Margulies S, **Christian CW**. Hypoxic-ischemic injury complicates inflicted and accidental traumatic brain injury in young children: the role of diffusion weighted imaging. *J Neurotrauma* 2007;24:106-18.
27. Forbes BJ, Cox M, **Christian CW**. Retinal hemorrhages in patients with epidural hematomas. *JAAPOS* 2008;12(2):177-18
28. **Christian CW**. Professional Education in Child Abuse and Neglect. *Pediatrics*, doi: 10.1542/peds.2008-0715f
29. Wood J, **Christian CW**, Adams C, Rubin DM. Skeletal Surveys in Infants with Isolated Skull Fractures. *Pediatrics* 2009;123:e247-52.
30. Brennan L, Rubin, DM, **Christian, CW**, Duhaime, AC, Mirchandani HG, Rorke-Adams LB. Neck Injuries in Young Pediatric Homicide Victims. *J Neurosurg: Pediatrics* 2009; 3(3): 232-9
31. **Christian CW**, Block R, and the Committee on Child Abuse and Neglect. Abusive Head Trauma in Infant and Children. *Pediatrics* 2009;123:1409-11.
32. Binenbaum G, Mirza-George N, **Christian CW**, Forbes BJ. Odds of abuse associated with retinal hemorrhages in children suspected of child abuse. *J AAPOS* 2009;13:268-72.
33. Pandya NK, Baldwin K, Wolfgruber H, **Christian CW**, Drummond DS, Hosalkar HS. Child abuse and orthopaedic injury patterns: analysis at a level I pediatric trauma center. *Pediatr Orthop* 2009;29:618-25.
34. Kresnicka LS, Rubin DM, Downes KJ, Lavelle JM, Hodinka RL, McGowan KL, Grundmeier R, **Christian CW**. Practice variation in screening for Sexually transmitted infections during prepubertal child sexual abuse evaluations. *J Pediatr Adolesc Gynecol* 2009;22:292-299.
35. Ince E, Rubin DM, **Christian CW**. Parental Perceptions of Hospital Care in Children with Accidental or Alleged Non-Accidental Trauma. *Child Abuse Neglect* 2010;34:403-6.
36. Rubin DM, O'Reilly ALR, Luan X, Dai D, Localio AR, **Christian CW**. Variation in pregnancy outcomes following statewide implementation of a prenatal home visitation program. *Arch Pediatr Adol Med* 2010, published online November 1, 2010 e1.
37. **Christian CW**, Schwarz DF. Child maltreatment and the transition to adult-based medical and mental health care. *Pediatrics* 2011;127: 139-145.
38. Frioux, S.M., Blinman, T., **Christian, CW**. Vaginal Lacerations from Consensual Intercourse in Adolescents. *Child Abuse and Neglect* 2011;35(1):69-73.

39. Schilling S, Wood J, Levine MA, Landgon D, **Christian CW**. Vitamin D status in abused and non-abused children less than 2-years-old with fractures. *Pediatrics*, 2011;127:835-41.
40. **Christian CW**. Timing the examination. *J Child Sexual Abuse* 2011;20:505-20.
41. Farrell C, Rubin DM, Downes K, Dormans J, **Christian CW**. Symptoms and Time to Medical Care In Children With Accidental Extremity Fractures. *Pediatrics* 2012 Jan;129(1):e128-33.
42. Ibrahim NG, Wood J, Margulies SS, **Christian CW**. Influence of age and fall type on head injuries in infants and toddlers. *International J Developmental Neuroscience* 2012;30:201-6.
43. Wood JN, Pecker LH, Russo ME, Henretig F, **Christian CW**. Evaluation and referral for child maltreatment in pediatric poisoning victims. *Child Abuse Negl* 2012; <http://dx.doi.org/10.1016/j.chiabu.2012.01.001>
44. McKeag H, Wood J, Daimont C, Pollock A, **Christian CW**. Subdural Hemorrhages and Benign Enlargement of the Subarachnoid Space. *Journal Neursurg Pediatr*, 2013 in press.
45. Goyal M, Mollen C, Hayes KL, Molnar J, **Christian CW**, Scribano PV, Lavelle J. Enhancing the ED approach to pediatric sexual assault care: Implementation of a pediatric SART program. *Pediatr Emerg Care* 2013, in press.
46. Hasbani DM, Topjian AA, Friess AA, Kilbaugh TJ, Berg RA, **Christian CW**, Dlugos DJ, Huh J. Abend NS. Non-Convulsive Electrographic Seizures are Common in Children with Abusive Head Trauma. *Pediatric Critical Care Medicine* 2013, in press.

Research Publications, non-peer reviewed:

1. **Christian CW** (Contributor), Tunnessen WW (Section Editor). Picture of the Month: Mayer-Rokitansky-Kuster-Hauser Syndrome: Congenital Agenesis of the Vagina, *AJDC*;146:1313-1314, 1992.
2. Rosenberg NM, Singer J, Bolte R, **Christian C**, Selbst S. Controversies in pediatric emergency medicine: Retinal hemorrhage. *Pediatric Emergency Care*, 1994; 10(5):303-305.
3. **Christian CW**. Controversies in pediatric emergency medicine issues in child abuse. *Pediatr Emerg Care*. 1999 Apr;15:144-6.
4. Ganetsky M, Giardino A, Grosz A, **Christian CW**. General pediatricians' approaches to screening for intimate partner violence in the pediatric setting. *APSAC Advisor*, Spring, 2006

Abstracts (past 3 years):

1. Binenbaum G, Forbes BJ, Mirza-George N, **Christian CW**. Unbiased measurement of the association of retinal hemorrhages with abuse in children evaluated for abusive head trauma. Second International Conference on Pediatric Abusive Head Trauma, June 2009, Jackson, Wyoming
2. Farrell C, Rubin DM, Downes K, Dormans J, **Christian CW**. Seeking medical care for young children with accidental fractures: when do we worry? *PAS*, May 2009, Baltimore, MD

3. Ibrahim NG, **Christian CW**, Wood J, Margulies S. Head injuries from falls in young children. PAS, May 2009, Baltimore, MD
4. Schilling S, Wood JN, Langdon D, **Christian CW**. Vitamin D Status in Abused and Non-Abused Infants and Young children with Fractures. Platform presentation to be given at Helfer Society Annual Meeting, Philadelphia, PA, April 2010, PAS meeting, Vancouver, BC, May, 2010
5. Wood J, Pecker L, Russo M, Henretig F, **Christian CW**. Evaluation and Referral for Child Maltreatment Among Pediatric Poisoning Victims. Poster presentation at Pediatric Academic Societies, Denver, Colorado, May 2011.
6. Wood J, Pecker L, Russo M, Henretig F, **Christian CW**. Evaluation and Referral for Child Maltreatment Among Pediatric Poisoning Victims. Presentation at Helfer Society Annual Meeting, Amelia Island, Florida, April 2011.
7. Binenbaum G, Forbes BJ, **Christian CW**, Reghupathi R, Judkins A, Rorke L, Margulies SS: An animal model to study retinal hemorrhages in non-impact brain injury. American Association of Pediatric Ophthalmology and Strabismus Annual Meeting, Seattle, WA April 2007 Notes: Poster.
8. Binenbaum G, Mirza-George N, **Christian CW**, Forbes B: Quantification of risk associated with retinal hemorrhages in children suspected of child abuse. American Association of Pediatric Ophthalmology and Strabismus Annual Meeting, Washington, DC April 2008.
9. Forbes B, Binenbaum G, **Christian CW**: Workshop: Quantification of risk associated with retinal hemorrhages in children suspected of child abuse. Seventh North American Conference on Shaken Baby Syndrome / Abusive Head Trauma, Vancouver, BC, Canada October 2008.
10. Barry G, Romero KE, Forbes BJ, **Christian CW**, Binenbaum G: Pathologic brain and head findings associated with retinal hemorrhages in young children with abusive or accidental head injuries. AAPOS Annual Meeting, Orlando FL April 2010 Notes: Poster Presentation.
11. Romero KE, Barry GP, Forbes BJ, **Christian CW**, Binenbaum G: An Analysis of Brain, Skull, and Soft Tissue Injuries Associated with Retinal Hemorrhages in Pediatric Abusive and Accidental Head Trauma (Abstract #752681). Pediatric Academic Society Meeting, Vancouver, BC, Canada May 2010 Notes: Poster presentation.
12. Romero KE, Forbes BJ, **Christian CW**, Binenbaum G: Relationship Between Retinal Hemorrhage and Acute-on-Chronic vs. Acute Intracranial Hemorrhage in Pediatric Head Trauma (Abstract #PA058:30026291). 2010 Annual Meeting American Academy of Ophthalmology October 2010 Notes: Paper oral presentation.
13. Simon MA, Forbes BJ, **Christian CW**, Ichord RN, Ying GS, Romero K, Binenbaum G: Association between retinal hemorrhage and pediatric brain injury patterns on diffusion-weighted MRI. ARVO Annual Meeting, Ft. Lauderdale May 2011.
14. Bounama A, Forbes B, **Christian CW**, Huang J, Ying G, Romero K, Antigua J, Binenbaum G. Coagulopathy and Retinal Hemorrhage in Pediatric Head Trauma, ARVO, 2012

15. McKeag H, Wood J, Daimont C, **Christian CW**, Subdural Hemorrhages and Benign Enlargement of the Subarachnoid Space. PAS annual meeting, Boston MA, May 2012
16. Binenbaum G, Forbes BJ, Levin L, **Christian CW**, Liu GT, Avery R. Incidence and Patterns Of Retinal Hemorrhage Associated With Increased Intracranial Pressure In Children. PAS annual meeting, Boston, MA, May 2012
17. Hasbani DM, Topjian AA, Huh, J, Friess SH, Kilbaugh TJ, Christian CW, Dlugos DJ, Abend NS. Electrographic seizures are common in infants with abusive head trauma. American Epilepsy Society, 2012
18. Goyal M, Mollen C, Hayes KL, Molnar J, **Christian CW**, Scribano PV, Lavelle J. Enhancing the ED approach to pediatric sexual assault care: Implementation of a pediatric SART program. PAS annual meeting, Washington DC, May 2013

Editorials, Reviews, Chapters:

1. **Christian CW**. The Etiology and Prevention of Abuse: Societal Factors (Chapter 3) in Ludwig S and Kornberg A. (Eds.) Child Abuse and Neglect: A Medical Reference, Churchill Livingstone, New York, 1991, pp. 25-37.
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PAST GRANT SUPPORT

NAME: Cindy Christian, M.D.

DEPARTMENT: General Pediatrics

DATE: May 2005

<u>Name of Grant Source</u>	<u>Period of Current Annual Award</u>	<u>Grant Additional Category*</u>	<u>Role in Grant**</u>	<u>% Effort</u>	<u>Funding</u>
<u>Direct Cost</u>	<u>Comments***</u>				
1. Pew Fund \$57,190 Comprehensive Follow-up services For abused and Neglected children	7/1/02-6/31/04	PG	Principal Investigator	2.5%	Pew Fund
2. Pew Fund \$57,190 Comprehensive Follow-up services For abused and Neglected children	7/1/04-6/31/06	PG	Principal Investigator	2.5%	Pew Fund
3. NIH Research Grant \$95,295 Biomechanics of Pediatric Head Injury	4/1/01-3/31/06	RO1	Co Principal Investigator	10%	NIH
4. Interventions and \$211,320 Practice research Infrastructure Program	1/1/05-6/30/05	O	Sub contract	10%	PCCD

5.	Mission Kids CAC Development Children's Alliance \$35,000	1/1/08-12/31/08	O	Subcontract	5%	National
6.	Child Abuse Preceptorship PCCD/AAP	7/1/03-ongoing \$5,000	O		Principal Investigator	2%
7.	NIH Research Grant 3% NIH Biomechanics of Pediatric Head Injury Competitive renewal	5/07-5/12 \$12,851-16,338		RO1	Co Principal Investigator	
8.	Pennsylvania Shaken Baby CDC Syndrome Prevention and Awareness Program	10/07-9/12 \$10,000	U49		Investigator	5%
9.	Development and validation of CDC a diagnostic tool for infant head injuries from falls	7/09-6/11 20,627	RO1		Subcontract	5%

*For **Grant Category**, use code in bold from the following menu:

RO1 NIH RO1	CT Clinical Trials
PP NIH Program Project, Center or Core Grants	TG Training Grants
FG Federal Grants – Other (including other individual NIH grants (including pharmaceutical) And grants from VA, NSF, Dept. of Energy, etc.) Foundation Grants (including internal Penn grants)	IG Industrial Grants
	PG Private
	O Other

**For program projects, specify whether PI, co-leader or project leader. For center, core and training grants, similarly specify your role.

***Include any additional, brief information. For clinical trials, for example, specify if multicenter or single center and indicate role of Penn site. Explain any grants in l other category.

And grants from VA, NSF, Dept. of Energy, etc.) Foundation Grants (including internal Penn grants)	PG Private
	O Other

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