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UNIVERSITY OF PENNSYLVANIA-SCHOOL OF MEDICINE

CURRICULUM VITAE

STEPHEN LUDWIG

July, 1990

Home Address: 2772 Narcissa Road
Plymouth Meeting, PA 19462

Office Address: The Children's Hospital of Philadelphia
34th and Civic Center Boulevard
Philadelphia, Pennsylvania 19104

Social Security No.: 175-36-1394

Date of Birth: November 12, 1945
Place of Birth: Philadelphia, Pennsylvania
Marital Status: Married - 1968 - Zella
Children- Susannah, 1971
Elisa, 1974
Aubrey, 1977

Education:

- 1959-63 Central High School, Philadelphia, PA
Honorary B.A. with Honors
- 1963-66 Pennsylvania State University, University Park, PA - B.S.
- 1967 Pennsylvania State University, University Park, PA
Graduate School in Psychology
- 1967-71 Temple University School of Medicine - M.D.

Postgraduate Training and Fellowship Appointments:

- 1971-74 Pediatric Internship and Residency
The Children's Hospital National Medical Center,
Washington, D.C.
- 1973-74 Chief Residency, Ambulatory, Children's Hospital National
Medical Center, Washington, D.C.

Military Service: None

Faculty Appointments:

1974-76 Associate in Pediatrics, University of Pennsylvania,
School of Medicine, Philadelphia General Hospital
1976-83 Assistant Professor of Pediatrics, University of
Pennsylvania, School of Medicine, The Children's Hospital
of Philadelphia
1983-89 Associate Professor of Pediatrics, University of
Pennsylvania School of Medicine,
The Children's Hospital of Philadelphia
1989-present Professor of Pediatrics, University of
Pennsylvania, School of Medicine
1989-present Visiting Associate Professor of Emergency Medicine
The Medical College of Pennsylvania

Hospital and Administrative Appointments:

1974-76 Assistant Physician, The Children's Hospital
of Philadelphia
1974-76 Attending Physician, Director of In-patient Services
Philadelphia General Hospital
1975-76 Assistant Chief of Service, Pediatric Department,
Philadelphia General Hospital
1977-88 Director, Emergency Department, Pediatric Emergency
Care Associates, The Children's Hospital of
Philadelphia
1988-present Division Chief General Pediatrics, The Children's
Hospital of Philadelphia
1979-present Coordinator Pediatric Intensive Care Group
1979-present Senior Physician, The Children's Hospital
of Philadelphia
1986-1988 Secretary, Medical/Dental Staff,
The Children's Hospital of Philadelphia
1988-1990 Vice-President Medical/Dental Staff
The Children's Hospital of Philadelphia

Specialty Certification:

National Board of Medical Examiners, 1971
Diplomat of American Board of Pediatrics, 1975
American Board of Emergency Medicine Eligible, 1988
C.P.R. - Advanced Life Support - Affiliate Faculty
American Heart Association
A.T.L.S. - Instructor
P.A.L.S. - American Heart Association - National Faculty

Licensure: Pennsylvania

Honors: Outstanding Resident (CHNMC) Maynard E. Cohen Award 1974
Teacher of the Year Award (CHOP) 1979-1980
Nominated for Ross Education Award 1986
Teacher of the Year Award (CHOP) 1986-1987
Jean A. Cortner - Division Teaching Award 1986-1987
Child Advocate Award - Support Center for Child Advocates 1987
Lindback Award - University of Pennsylvania 1988
Ambulatory Pediatric Association - National Teaching Award 1988

Professional Societies:

American Academy of Pediatrics - Chairman Emergency Medicine Section, 1984-86, Chairman Committee on Emergency Medicine, 1988-
 American Academy of Pediatrics - Section on Child Abuse Executive Board, Membership Chairman
 American Pediatric Society 1989-
 Ambulatory Pediatric Association Executive Board 1989-
 Founding Member, Pediatric Emergency Medicine Interest Group 1989-
 American College of Emergency Physicians - Treasurer and Co-chairman of Education Committee, Pennsylvania Chapter 1986-1989
 Philadelphia Emergency Physicians Society - Steering Committee
 International Society of Child Abuse and Neglect 1975-
 Philadelphia Pediatric Society 1975-
 University Association for Emergency Medicine
 Society of Teachers of Emergency Medicine
 Philadelphia Trauma Consortium
 Pediatric Emergency Medicine Fellowship Directors - Chairman 1984-1987
 Society for Pediatric Trauma - Charter Member
 Society for Pediatric Emergency Medicine, Charter Member

Editorial Positions:

1985-present Pediatric Emergency Care - Co-editor
 1988-present Yearbook of Emergency Medicine - Contributing Editor
 1979-present Clinical Pediatrics - Reviewer
 1986-present Pediatric Emergency Trends - Advisory Editorial Board
 1980-present Pediatrics - Reviewer
 1987-present Pediatric Trauma and Acute Care - Editorial Board

Bibliography:Original Papers

1. Ludwig, S. et al. Team Teaching of the Multidisciplinary Approach. Presented at First International Congress on Child Abuse and Neglect, Geneva, Switzerland, Sept., 1976. Child Abuse and Neglect Vol. 1, 311-386, 1977.
2. Slosberg, E., Ludwig, S., Duckett, J. and Mauro, A. Penile Trauma as a Sign of Child Abuse. Amer. J. of Dis. of Child. 132:719, 1978.
3. Bassoff, B., Ludwig, S.: An Approach to the Development of Interdisciplinary Learning Experiences in Health. Health & Soc. Work 4:258, May 1979.
4. Berkowitz R, Ludwig S, & Johnson R.: Dental Trauma in Children and Adolescents. Clin. Ped. 19:3, p 166, 1980.
5. Fleisher G & Ludwig S.: Cellulitis: A Prospective Study. Ann Emerg Med 9:5, p 246, 1980.
6. Fleisher G, Ludwig S & Campos J.: Cellulitis: Bacterial Etiology, Clinical Features and Laboratory Findings. J of Pediatrics, Vol 97, pp 591-593, 1981.

7. Homer C, Ludwig S.: Categorization of Etiology for Failure to Thrive. Amer J of Dis of Child. 135: 848-851, 1981.
8. Carroll JG, Schwartz MW & Ludwig S.: An Evaluation of Simulated Parents as Instructors; Implications for Teaching Medical Interview Skills. J of Med Ed. 56:522-524, 1981.
9. Ludwig S, Fleisher G, Henretig F, Ruddy R.: Pediatric training in Emergency Medicine residency programs. Ann Emerg Med 11:4, pp 170-173, 1981.
10. Ludwig S, Kettrick R, Parker M.: Pediatric CPR - a review of 130 cases. Clin Peds, 232:71-75, 1984.
11. Ludwig S, Warman M.: Shaken Baby Syndrome - a review of 20 cases. Ann of emergency Medicine 13:2, pp 104-107 1984.
12. Fleisher G, Grosflam J, Selbst S, Ludwig S.: Management of lymphadenitis in childhood: The role of percutaneous needle aspiration. Ann of Emerg Med, 13:11, pp 908-911, 1984.
13. Hammer L, Henretig F, Ludwig S.: Lead poisoning in children with accidental ingestions. Amer J Emerg Med 3:301, 1985.
14. Casey R, Rosen B, Glowaski A, Ludwig S: An intervention to improve follow-up of patients with otitis media. Clin Peds 24:3, pp 149-154, 1985.
15. Hodge D and Ludwig S: Child homicide. Ped Emerg Care 1:1, pp 3-7, 1985.
16. Ludwig S, Fleisher G: Pediatric emergency care - a new journal. Ped Emerg Care 1:1, 1-3, 1985.
17. Ludwig S, Fleisher G: Pediatric cardiopulmonary resuscitation: A review and proposal. Ped Emerg Care 1:1, pp 40-45, 1985.
18. Schwengel D and Ludwig S: Rhabdomyolysis and myoglobinuria as manifestations of child abuse. Ped Emerg Care 1:4, 1985.
19. Torrey SB, Henretig F, Fleisher G, Goldstein RM, Ardire A, Ludwig S, and Ruddy R: The response to antipyretic therapy of temperature in children with and without occult bacteremia. Am J Emerg Med 3:190-192, 1985.
20. Casey R, Ludwig S, McCormick M: Morbidity following minor head trauma in children. Pediatrics 78:3, 497-503, 1986.
21. Nichols DG, Kettrick RG, Swedlow DB, Lee S, Passman R, Ludwig S: Factors influencing outcome of cardiopulmonary arrest in children. Ped Emerg Care 2:1-6, 1986.

22. Jaffe DM, Ludwig S, Zieserl ES et al: Fellowship training in Pediatric Emergency Care: A sample curriculum. Ped. Emerg Care 2:45-54, 1986.
23. Casey R, Ludwig S, McCormick M: An intervention to decrease functional morbidity following minor head trauma in children. Pediatrics 80:2, 159-164, 1987.
24. Torrey S, Ludwig S: Emergency physician role in the courtroom serving as expert in child abuse case. Ped Emer Care 3:1, 50-53, 1987.
25. Joffe M, Ludwig S: Stairway injuries in children. Pediatrics 82:3, 457-462, 1988.
26. Baker R, Henretig F, Ludwig S: Carbon monoxide toxicity in the pediatric emergency department J of Peds 113:3, 501-504, 1988.
27. Cooper A, Floyd T, Barlow B, Neimisz AM, Ludwig S, et al: Blunt abdominal trauma due to child abuse. J. of Trauma 28, 1423, 1988.
28. Outwater KM, Ludwig L, Mayer TA, Peterson MB: Pediatric resuscitation. J of Emerg Nurs 16:6, 466-473, 1989.
29. Hansen CM, Diamond P, Ludwig S: Can we protect children from further abuse? Child Welfare 67:6, 615-621, 1989.
30. Levin AV, Ludwig S, eds: Preparing for the next decade - proceedings of the Third National Child Abuse Conference. Ped Emerg Care 5:4, 291-297, 1989.
31. Boenning D, Ludwig S, et al: Impact of day surgery on children. (in press).
32. Levin AV, Scott CA, Nelson LB, Ludwig S: Gonorrhoea conjunctivitis in non-neonatal prepubertal children. (Submitted for publication).
33. Baker MD, Ludwig S: Transportation of seriously ill child from primary care site (submitted for publication).

Chapters, Reviews, Editorials, and Other Publications

1. Ludwig, S. et al. You are subpoenaed.....
Clin. Proc. CHNMC 30, 133, 1974.
2. Ludwig, S. et al. Testimony before Ninety-Third Congress, Select Committee on Education. U.S. Gov't Printing Office, 1974.
3. Ludwig, S. et al. Stevens-Johnson Syndrome, A review of clinical manifestations in children,
Clin. Proc. CHNMC 31, 150-165, 1975.
4. Ludwig S.: Preparing the Expert Witness in Child Abuse and Neglect Litigation - A Manual for Judges. DHHS Publication NO (OHDS) 80-30268, pp 175-176, March 1981.

5. Ludwig S.: Multidisciplinary Approach to Child Abuse. Nurs Clin. North Amer. 16:1, pp 161-165, 1981.
6. Ludwig S, Kettrick R.: Pediatric CPR for the non-pediatrician. Clin in Emerg Med 2:101-112, 1983.
7. Kettrick R, Ludwig S: Resuscitation-Pediatric Basic and Advanced Life Support. Textbook of Pediatric Emergency Medicine. pp 1-30, 1983.
8. Ludwig S: Constipation. Textbook of Pediatric Emergency Medicine. pp 102-107, 1983.
9. Ludwig S: Child Abuse. Textbook of Pediatric Emergency Medicine. pp 1027-1062, 1983.
10. Ludwig S, Fleisher GR: Organization/Staffing. Textbook of Pediatric Emergency Medicine. pp 1152-1160, 1983.
11. Ludwig S: Pediatric Emergency Medicine. First steps for a developing specialty. Clinics in Emerg Med 7, pp 1-9, 1985.
12. Ludwig S: Child abuse. Clinics in Emerg Med 7, pp 107-130, 1985.
13. Schreiner MS, Kettrick RG, Ludwig S: Pediatric cardiopulmonary resuscitation. Clinics in Crit Care Med, 1986.
14. Ludwig S: Child Abuse and Neglect in Principles and Practice of Clinical Pediatrics. Yearbook Med Pub. pp 310-330, 1986.
15. Ludwig S: The Pediatrician in Family Court in Principles and Practice of Clinical Pediatrics. Yearbook Med Pub. pp 330-335, 1986.
16. Ludwig S: The abused patient: family violence in Callahan ML, ed. Current Therapy in Emergency Medicine. BC Decker Inc. Chicago IL 1986, 2nd edition 1990.
17. Ludwig S: Child Abuse Pediatric Emergency Medicine for the House Officer, Williams & Wilkins, 1988.
18. Soulen J and Ludwig S: When a child dies. Pediatric Emergency Medicine for the House Officer, Williams & Wilkins, 1988.
19. Ludwig S: Prevention of child abuse. Critical Issues in Emergency Medicine, Churchill Livingstone Press, 1988.
20. Selbst SM, Baker MD, Bell LM, Shaw KN, Briede C, Woodward GA, Ludwig S: Teaching technical skills in pediatrics, Indian J Pediatr 56:35-54, 1989.
21. Ludwig S, Selbst SM: Emergency medical services for children. Current Problems in Pediatrics March, 1990.

22. Socolar R and Ludwig S: Child abuse and the practicing physician. Hodge D and Caputo G. eds. Pediatric Office Emergencies. Hanley & Belfus (in press).
23. Briede C and Ludwig S: Child abuse and neglect. Emergency Medicine Harold May ed. (in press).
24. Ludwig S: Child abuse in Medical Student Textbook of Emergency Medicine Hamilton, Strange, Trott, Sanders eds. W.B. Saunders (in press).
25. Ludwig S: Approach to child and family, Child abuse, SIDS, Seizure, Sickle cell disease. in Pediatric Emergencies: Pre-Hospital Management Baker, Bell eds. Brady Co. (in press).
26. Ludwig S: The abused child: The abused adult. . in Decision Making in Emergency Medicine M. Callahan ed. B.C. Decker Inc. (in press).
27. Ludwig S and Rostain A: Family dysfunction in Development Behavioral Pediatrics 2 edition, Levine M, Carey B, eds. Saunders, Philadelphia

Books

1. Fleisher G and Ludwig S: Textbook of Pediatric Emergency Medicine. Williams and Wilkins, Baltimore, MD, 1983. second edition, 1988. (Translation - Italian and Spanish).
2. McMullen KA, Eggerding C, Ludwig S: What to do for childhood emergencies and illnesses. Children's Hospital of Philadelphia Publication, 1984.
3. Ludwig S ed: Pediatric Emergencies. Clinics in Emergency Medicine. Churchill Livingstone, New York, February 1985.
4. Schwartz W, Curry T, Charney E, Ludwig S: Principles and Practice of Clinical Pediatrics. Yearbook Med Pub Chicago, 1986, 2nd edition 1989.
5. Ludwig S, Kornberg A: Child abuse & Neglect: A medical reference. Churchill Livingstone (in preparation).

Abstracts

1. Briede C, Ludwig S, Seidl T: Child abuse: changing patterns. Ambulatory Pediatric Assoc., Washington 1988 (presented).
2. Joffe M, Ludwig S: Injuries when children fall down stairs. Ambulatory Pediatric Assoc., Anaheim 1987 (Presented).
3. Cooper A, Floyd T, Barlow B, Viglioino M, Ludwig S, et al: Ten years' experience with major blunt abdominal trauma due to child abuse. American Pediatric Surgical Association, 1987 (Presented).
4. Boenning D, Ludwig S, Bechtel C et al: Assessing the impact of day surgery on children and parents. Ambulatory Pediatric Association, San Francisco, 1984.

5. Casey R, Ludwig S: Acute minor head trauma in children. Ambulatory Pediatric Association, San Francisco, May 1984 (presented).
6. Ludwig S, Warman M: Shaken Baby Syndrome: A review of 20 cases. UAEM, May 1983, Boston (presented).
7. Friend S, Ludwig S: Maternal conceptual levels of illness: Ambulatory Pediatric Association. Washington, D.C. May 1983 (presented).
8. Casey R, Ludwig S: Minor head trauma in children: A potential source of functional morbidity. Ambulatory Pediatric Association May 1983.
9. Fleisher G, Ludwig S, Ruddy R & Henretig F: Interpretation of pediatric x-rays by emergency department physicians: practice makes almost perfect. UAEM April 1982 (presented).
10. Hammer L, Henretig F, Ludwig S: Lead poisoning in children children with accidental poisoning. Ambulatory Pediatric Association May 1982 (presented).
11. Ludwig S, McMullen K: Home visiting program for pediatric students. Ambulatory Pediatric Association April 1981.
12. Fleisher G, Ludwig S, Ruddy R: Clinical assessment of febrile infants at risk for occult bacteremia. Ambulatory Pediatric Association April 1981.
13. Fleisher G, Ludwig S, Henretig F, Ruddy R: Cellulitis: Etiology, laboratory findings, and initial management. UAEM April 1981 (presented).
14. Kravis E, Fleisher G, & Ludwig S: Evaluation of fever in children with sickle hemoglobinopathies. UAEM 1981. (presented).
15. Ludwig S, Homer C: Categorization of etiology for failure to thrive. Ambulatory Ped Assoc. April 1980. (presented).
16. Fleisher G, Ludwig S, & Plotkin SA: Cellulitis: Etiology, laboratory finding and management. Ambulatory Ped Assoc. April 1980. (presented).
17. Ludwig S, McMullen K, Fleisher G: Emergency room utilization by neonates. Ambulatory Ped Assoc. April 1980.
18. Carroll JG, Schwartz MW, Ludwig S: Using simulated patients to teach interview skills. Ambulatory Ped Assoc. April 1980 (presented).
19. Schwartz W, Ames M. Sharrar W, Ludwig S & Cortner J.: A Private Group Practice in an Outpatient Department, Meeting Ambulatory Ped. Assoc. April 1979.

20. Baker MD, Ludwig S: Transportation of the seriously ill child from the practitioner's office, Ambulatory Assoc. 1990 Presented).
21. King BR, Baker MD, Ludwig S: Reporting of child abuse by pre-hospital personnel, (Presented EMS Conference 1990.).

Audiovisuals

Ludwig S. ed. Pediatric Emergency Management Multimedia Educational Programs - McGraw Hill 1980.

- No. 1 Upper Airway Infection - Fleisher, G.
 No. 2 Accidental Ingestions - Schwartz, W.
 No. 3 Status Epilepticus - Hodson, A.
 No. 4 Foreign Bodies - Handler, S.
 No. 5 Cardiopulmonary Resuscitation - Ludwig, S Kettrick R.
 No. 6. Head Trauma - Bruce, D.

Ludwig S & Fleisher GR: Pediatric Emergencies. Teach 'Em Inc. American Academy of Pediatrics, Chicago, IL 1984.

Child Abuse and Neglect - 4 hr Telecast
 American College of Emergency Physicians and Symposia International, Los Angeles, CA 1985.

Ruddy R and Ludwig S
 Abdominal Pain in Children Vol 9
 Critical Decisions in Emergency Medicine
 American College of Emergency Physicians, Dallas, TX 1986.

Lovejoy F, Ludwig S et al
 Current concepts of fever management - National Telecast
 McNeil Consumer Products, Ft. Washington, PA (November, 1989).

PRINCIPAL INVESTIGATOR OF GRANTS:

Educational Coordinator, Pediatrician, and Former Associate Director of S.C.A.N. Center. A service project to coordinate services to Abused/Neglected children and their families in West Philadelphia. Funded by the Philadelphia Department of Public Welfare.

Decreasing the Morbidity of Acute Minor Head Trauma in Children. Robert Wood Johnson Foundation Grant - 1982-83.

Pediatric Day Care Surgery - Psychological effects on the child and impact on the family. Robert Wood Johnson Foundation Grant 1982-84.

Follow-up Sexually Abused Children. Robert Wood Johnson Foundation Grant 1985-87. Jan Paradise, principal investigator.

Committees:

Executive Committee of Medical Staff - Vice-President - The Children's Hospital of Philadelphia
 Emergency Department Committee - The Children's Hospital of Philadelphia, Chairman

Emergency Mobilization Committee - The Children's Hospital of Philadelphia
 Resuscitation Committee - The Children's Hospital of Philadelphia
 Co-Chairman
 Undergraduate Education Committee - The Children's Hospital of Philadelphia
 Graduate Education Committee - The Children's Hospital of Philadelphia - Co-Chairman
 Ethics Committee - The Children's Hospital of Philadelphia
 Mayors Commission for Health Care in the Eighties, Philadelphia
 Health Department, Philadelphia
 Consultant - Project HOPE, Jamaica W.I., Project Poland
 Admissions Committee - University of Pennsylvania
 School of Medicine, 1984-
 Residency Selection Committee - Department of Pediatrics
 University of Pennsylvania School of Medicine
 Student Recommendations Committee - University of Pennsylvania
 School of Medicine, 1985-1987
 Curriculum Committee - Evaluation Subcommittee
 University of Pennsylvania School of Medicine, 1986-1988,
 Chairman 1989-
 Education Committee - Pennsylvania Chapter American College of
 Emergency Physicians - Co-Chairman
 Joint Task Force on Pediatric Emergency Medicine - American
 Academy of Pediatrics - American College of Emergency
 Physicians
 Multidisciplinary Consultant Team - Philadelphia Department of
 Human Services
 City of Philadelphia - Department of Health - Human Subjects
 Protection Committee
 Please Touch Museum - Board Member
 Pennsylvania Attorney General's Task Force on Child Abuse - Chairman
 American Academy of Pediatrics - Committee on Emergency Medicine
 Chairman
 American Academy of Pediatrics - Section on Child Abuse -
 Executive Committee
 Pennsylvania Trauma Systems Foundation - Pediatric Standards Committee
 Terri Lynne Lokoff Foundation - Board Member.
 PruCare - Prudential Insurance - Medical Standards & Utilization Committee
 American Board of Pediatrics - Pediatric Emergency Medicine Certification
 Examination Committee

MAJOR TEACHING AND CLINICAL RESPONSIBILITIES AT THE UNIVERSITY OF PENNSYLVANIA

Oct. 1976-present

1. Attending Pediatrician - The Children's Hospital of Philadelphia
Emergency Department - 12 months/year.
2. Attending in-patient rounds - The Children's Hospital of
Philadelphia 2 months/year.
3. Attending Pediatric Intensive Care Unit - The Children's
Hospital of Philadelphia - 1-2 months/year.
4. Group Leader - Outpatient - Primary Care Group Practice.

5. Coordinator - Outpatient Department conferences - 3 times per week.
6. University of Pennsylvania, School of Medicine, Course Participation
 - a. Ambulatory Pediatrics (PEDS 311A) Course Director
 - b. Physical Diagnosis (ID 103)
 - c. Emergency Care (ID 302)
 - d. Core Pediatrics (200)
 - e. Basic Science - Clinical Correlation (PEDS 100)
 - f. Growth and Development (312D)
 - g. First Aid Course-Freshman Class
7. SCAN Clinic Physician - 1/2 day per week for follow-up of child abuse/neglect cases.
8. Course Coordinator - Multidisciplinary Approach to Child Abuse. A semester long course sponsored by the Interdisciplinary Health Care Education Committee, University of Pennsylvania.
9. Course Coordinator - CPR Instruction - The Children's Hospital of Philadelphia.

INVITED LECTURES AND WORKSHOPS:

1981

- January Regional Pediatric Emergency Care Program
Rainbow Babies and Children's Hospital
Consultant
Cleveland, Ohio
- February Wilmington Medical Center
Topic: Sexual Abuse
Wilmington, Delaware
- March Riddle Memorial Hospital
Topic: Child Abuse and Neglect
Media, Pennsylvania
- March SIDS Center of Pennsylvania
Workshop: Sudden Infant Death Syndrome
Reading, Pennsylvania
- April SIDS Center of Pennsylvania
Workshop: Emergency Department Role in Managing SIDS
Villanova, Pennsylvania
- April University Association for Emergency Medicine
Paper - Evaluation of Children with Fever and Sickle Hemoglobinopathy
San Antonio, Texas
- April Ambulatory Pediatric Association
Workshop: Forming a Dynamic Pediatric Emergency Care Group
Workshop: Interviewing the Sexually Abused Child
Workshop: Research in the Emergency Department
San Francisco, California

- May Southern Regional Conference on Emergency & Critical Care Medicine
Topic: CPR
Topic: Respiratory Emergencies
Huntsville, Alabama
- Sept. Rutgers University Law School
Topic: Child Abuse and Family Law
Camden, New Jersey
- Oct. Chester-Crozier Hospital
Topic: Sexual Abuse of Children
Chester, Pennsylvania
- 1982
- March St. Francis Hospital
Topic: Pediatric CPR
Trenton, New Jersey
- April University Association of Emergency Medicine
Topic: Pediatric X-ray Readings
Salt Lake City, Utah
- April National Council of Juvenile and Family Court Judges
Topic: Child Abuse and Neglect
Valley Forge, Pennsylvania
- Ambulatory Pediatric Association
Workshop: Sexual Abuse - Crisis Intervention
Workshop: Issues for Academic Pediatric Emergency Care Specialists
Workshop: Accident Prevention - What Works?
Washington, D.C.
- May Wilmington Medical Center
Topic: CPR in Children
Wilmington, Delaware
- June Southern Regional Conference on Emergency & Critical Care Medicine
Topic: Neonatal Resuscitation and Transport
Topic: Pediatric CPR
Huntsville, Alabama
- June Pennsylvania State University & Pennsylvania Department of Welfare
Topic: Failure to Thrive
Hershey, Pennsylvania
- Sept. East Tennessee Children's Hospital
Topic: Sexual Abuse
E.D. Management of Seizure
Knoxville, Tennessee
- Oct. American Probation & Patrol Association
Topic: Child Abuse and Neglect
Cherry Hill, New Jersey
- Oct. American Academy of Pediatrics
Topic: Prehospital Care of the Critically Ill Child
New York, New York

- W. Hahnemann Hospital
Topic: Failure to Thrive
Philadelphia, Pennsylvania
- Dec. Newcomb Hospital
Topic: Pediatric Emergencies
Vineland, New Jersey
- 1983
- Jan. University of West Indies
Topic: Pediatric CPR
Kingston, Jamaica, West Indies
- Jan. St. Joseph Hospital
Topic: Shock
Status Epilepticus
Trenton, New Jersey
- Jan. Lambert Hospital-Princeton Medical Center
Topic: Pediatric Life Support
Princeton, New Jersey
- Feb. Tampa General Hospital
Topic: Airway Emergency Seizures
Tampa, Florida
- March North Penn Hospital
Topic: Pediatric Resuscitation
Lansdale, Pennsylvania
- April American Academy of Pediatrics
Topic: Pediatric Emergencies
Philadelphia, Pennsylvania
- April American College of Emergency Physicians
Topic: Pediatric Emergencies
Harrisburg, Pennsylvania
- May Ambulatory Pediatric Association
Topic: Medical Legal Issues in the Emergency Department
Washington, D.C.
- June University Association of Emergency Medicine
Topic: Shaken Baby Syndrome
Boston, Massachusetts
- July University of Delaware
Topic: Child Abuse
Newark, Delaware
- S t. St. Christopher's Hospital for Children
Topic: New Advances in CPR
Philadelphia, Pennsylvania

- Oct. American College of Emergency Physicians
Topic: Child Abuse
Case Presentation in Pediatric Emergencies
Atlanta, Georgia
- Nov. Wilmington Medical Center
Topic: Shaken Baby Syndrome
Wilmington, Delaware
- Nov. Newcomb Hospital
Topic: Pediatric CPR
Vineland, New Jersey
- Dec. American Academy of Pediatrics - Regional Conference
Topic: Sexual Abuse
Upper Airway Emergency
Lower Airway Emergency
Williamsburg, Virginia
- 1984
- Jan. Graduate Hospital - Grand Rounds
Topic: Pediatric Resuscitation
Philadelphia, Pennsylvania
- Feb. Overlook Hospital - Department of Emergency Medicine
Topic: Pediatric Emergency Medicine Seminar
Summit, New Jersey
- March Thomas Jefferson University - Pediatric Grand Rounds
Topic: Child Abuse
Philadelphia, Pennsylvania
- April Akron's Children's Hospital
Topic: Child Abuse
Akron, Ohio
- May Pennsylvania Chapter - American College of Emergency Physicians
Topic: Pediatric Procedures Workshop
Harrisburg, Pennsylvania
- June Massachusetts Chapter - American College of Emergency Physicians
Topic: Update Pediatric Emergencies
Falmouth, Massachusetts
- Oct. Pediatric Fall Festival - Fairfax Hospital
Topic: Airway Emergencies, Seizures, CPR
Alexandria, Virginia
- Oct. American College Emergency Physicians Annual Meeting
Topic: CPR, Child Abuse
Dallas, Texas
- Oct. Brandywine Hospital
Topic: Child Abuse
Coatesville, Pennsylvania

- Nov. Symposium Int. Telecast
Topic: Child Sexual Abuse
Los Angeles, California
- Nov. St. Mary's Hospital
Topic: Child Abuse
Langhorne, Pennsylvania
- Nov. Pittsburgh Children's Hospital
Topic: Visiting Professor
Pittsburgh, Pennsylvania
- Nov. Children's Hospital of Philadelphia
Topic: Medical Consequences of Child Abuse
Philadelphia, Pennsylvania
- Dec. American Academy of Pediatrics, California Chapter
Topic: Pediatric Emergencies
Las Vegas, Nevada
- 1985
- Feb. State University of New York-Syracuse, Pediatric Grand Rounds
Topic: Child Sexual Abuse
Syracuse, New York
- rch Overlook Hospital - Department of Pediatrics
Visiting Professor
Summit, New Jersey
- April American College of Emergency Physicians, New Mexico Chapter
Topic: Pediatric Emergency Care
Santa Fe, New Mexico
- May American College of Emergency Physicians, PA Chapter
Topic: Crisis Intervention - The Abused Child
White Haven, Pennsylvania
- May Ambulatory Pediatric Association
Workshop: Pediatrician and The Law - Child Abuse
Workshop: Pediatrician and The Law - Sexual Abuse
Washington, D.C.
- June American Academy of Pediatrics - PA Chapter
Topic: Stabilizing the Critically Ill Child
Hershey, Pennsylvania
- June Children's Memorial Hospital of Oklahoma
Visiting Professor
Oklahoma City, Oklahoma
- Sept American College Emergency Physician National Meeting
Topic: Child Abuse
Las Vegas, Nevada
- Oct. American Academy of Pediatrics Annual Meeting
Topic: Pediatric Emergency Case Management
San Antonio, Texas

- Sept. Abington Hospital - Grand Rounds
Topic: Development in Child Abuse
Abington, Pennsylvania
- Oct. Hazelton General Hospital
Topic: Child Abuse
Hazelton, Pennsylvania
- Nov. University of Maryland - Department of Pediatrics - Grand Rounds
Topic: CPR on Pediatric Patients
Baltimore, Maryland
- Nov. Children's Hospital of Western Ontario
William Banghart Memorial Lecture
London, Ontario
- Dec. St. Mary's Hospital
Topic: Pediatric Emergencies
Langhorne, Pennsylvania
- 1986
- Jan. Miami Children's Hospital
Topic: Pediatric Emergency
Miami, Florida
- Jan. Newcomb Hospital
Topic: Sexual Abuse
Vineland, NJ
- Feb. Primary Children's Hospital
Topic: Pediatric CPR, Child Abuse
Salt Lake City, Utah
- March Children's Hospital CME Course
Topic: Seizures, Head Trauma, Child Abuse
Cancun, Mexico
- April Univ of Indiana, Department of Pediatrics
21st Annual Pediatric Course
Topic: Pediatric Case Management
Indianapolis, Indiana
- June 1st National Course on Pediatric Emergency Medicine
Course Director
Atlantic City, NJ
- July International Pediatric Conference
Topic: Pediatric Emergency Medicine
Honolulu, Hawaii
- August East Tennessee Children's Hospital
Topic: Pediatric Advanced Life Support
Knoxville, Tennessee

- August Cooper Medical Center
Pediatric Grand Rounds
Topic: Summer Emergencies
Camden, New Jersey
- Sept. Temple University School of Social Administration
Topic: Child Abuse - The multidisciplinary approach
Scranton, Pennsylvania
- Oct. University of Krakow
Topic: Child Abuse and Neglect
Krakow, Poland
- Oct. Lancaster General Hospital
Topic: Child Abuse and Neglect
Lancaster, Pennsylvania
- Nov. Philadelphia Court of Common Pleas
Topic: Judges Training - Child Sexual Abuse
Philadelphia, Pennsylvania
- Dec. Oakland Children's Hospital
Ground Rounds
Topic: Child Abuse, CPR
Oakland, California
- 1987
- Feb. Children's Memorial Hospital
Pediatric Grand Rounds
Topic: Child Sexual Abuse
Chicago, Illinois
- St. Mary's Hospital
Grand Rounds
Topic: Child Abuse
Langhorne, Pennsylvania
- March S.E.Pa. Council of Child Psychiatry
Annual Meeting
Topic: Child Abuse
Philadelphia, Pennsylvania
- April Morristown Hospital
Visiting Lecturer
Topics: Pediatric Emergency Medicine
Fellowship Training in PEM
Morristown, New Jersey
- May Berlinson Hospital
Grand Rounds
Topic: Pediatric CPR
Tel Aviv, Israel
- David Ben Gourian School of Medicine
Pediatric Conference
Topic: Seizure Management
Ber Sheva, Israel

Tel Hashomer Hospital
Topic: Child Abuse
Tel Aviv, Israel

Maimonedes Hospital - 26th Annum
Post Graduate Course
Topic: The Problem of Pediatric CPR
Brooklyn, New York

Allentown Hospital Pediatric Department
Topic: Pediatric Emergency Seminar
Allentown, Pennsylvania

June Rhode Island Hospital
Pediatric Grand Rounds
Topic: New Direction in Pediatric CPR
Providence, Rhode Island

Sacred Heart Hospital
Topic: Failure-to-Thrive
Allentown, Pennsylvania

Sept. Pediatric Distinguished Lecturer Series
Overlook Hospital
Topic: Pediatric Emergencies
Summit, New Jersey

2nd Annual Conference on Pediatric Trauma
Topic: Is the surgeon the captain of the ship?
Sometimes yes, Sometimes no
Boston, Massachusetts

Oct. Lewander Memorial Lecture
Children's Hospital National Medical Center
Topic: Pediatric Emergency Medicine - First Steps
for a Developing Specialty
Washington, D.C.

Nov. Delaware Pediatric Society
R.O.Y. Warren Memorial Lecture
Topic: Head Trauma, Respiratory Emergency
Wilmington, Delaware

Nov. Albert Einstein College of Medicine
Topic: Visiting Professor
Bronx, New York

1988

March LeBonheur Children's Hospital
Topic: Trauma Epidemiology - Initial Approach
Memphis, Tennessee

2nd National Child Abuse Conference for Practitioners
Topic: Failure to Thrive, Court Testimony
New York, New York

- April Pa Chapter ACEP, Scientific Assembly
Topic: Pediatric Pearls and Pitfalls
Pittsburgh, Pennsylvania
- Grand Rounds Christianna Hospital
Topic: Pediatric ED - What's New?
Wilmington, Delaware
- 15th Ham Memorial Lecture
Visiting Professor
Strong Memorial Hospital
Rochester, New York
- Allentown Hospital
Topic: Pediatric Emergencies
Allentown, Pennsylvania
- May Ross Conference on Pediatric Emergencies
Topic: Developing Integrated EMS Systems for Children
Phoenix, Arizona
- Community Hospital of Toms River
Topic: Pediatric CPR/Airway Management
Toms River, New Jersey
- June Pediatric Emergency & Critical Care - U. of British Columbia
Topic: Keynote Address and Topic Lecture
Vancouver, British Columbia
- Pediatric Emergency Medicine
Topic: Pediatric Emergency Care - Future Direction
Williamsburg, VA.
- August Debates & Updates in P.E.M. - U. of California San Francisco
Topic: Keynote Address
San Francisco, CA
- Sept. Fall Pediatric Festival - Georgetown University
Topic: Child Abuse, Coma Management in the ED
Rome, Italy
- Nov. Chicago Pediatric Society
Topic: Development of Pediatric Emergency Medicine
Chicago, IL
- Dec. Dupont Institute
Topic: Nursing Role in Pediatric Care
Wilmington, DE
- 1989
- Jan. University of Hawaii, Kapalani Children's Hospital
Topic: Visiting Professor
Honolulu, Hawaii

- Jan. University of Cincinnati
Cincinnati Children's Hospital
Topic: Visiting Professor
Cincinnati, Ohio
- Feb. Thomas Jefferson University - Grand Rounds
Topic: Head Trauma
Philadelphia, PA
- Feb. University of Utah
Primary Children's Hospital
Topic: Child Abuse/Sexual Abuse
Salt Lake City, Utah
- March AAP Spring Meeting
Topic: APLS-PALS Course
Orlando, FL
- Valley Forge Pediatric Society
Topic: Pediatric Emergency
Valley Forge, PA
- April Allentown Hospital Pediatric OB/GYN - Grand Rounds
Topic: Sexual Abuse
Allentown, PA
- May Pennsylvania State Police Training Seminar
Topic: Child Abuse
Hershey, PA
- Prince Georges Montgomery County Pediatric Society
Topic: Pediatrics in EMS
Bethesda, MD
- APA National Meeting
Topic: Trauma Workshop
Washington, DC
- NJ ACEP - Annual Meeting
Topic: Pediatric Trauma
Atlantic City, NJ
- Abraham Finkelstein Memorial Lecture University of Maryland
Topic: EMS-C System
Baltimore, MD
- New Jersey Medical Examiner's Office
Topic: Failure-to-Thrive - Medical Neglect
Secaucus, NJ
- June Mercer Medical Center
Topic: Update Pediatrics Emergency Medicine
Trenton, NJ

- Sept Warminster Hospital - Keynote Speaker
Topic: Pediatric EMS
Warminster, PA
- North Carolina Pediatric Society - Annual Meeting
Topic: Pediatric Emergency Care
Ashville, NC
- American Prosecutors Institute
Topic: Child Homicide
Pittsburgh, PA
- York Hospital - Grand Rounds
Topic: Child Abuse
York, PA
- October Warminster Hospital - Grand Rounds
Topic: Child Abuse
Warminster, PA
- A.A.P. - National Meeting
Topic: Advanced Pediatric Life Support
Chicago, IL
- Nov. National Association for Prosecution of Child Abuse
Topic: Death by Starvation
Pittsburgh, PA
- 1990
- Jan. PaACEP - Regional Meeting
Topic: Child Abuse
Philadelphia, PA
- Feb. VA Chapter AAP - Annual State Meeting
Topic: Emergency Care, Head Trauma, Visual Diagnosis
Williamsburg, VA
- March Hospital for Sick Children - CME
Topic: Pediatric Emergencies, Trauma
Toronto, Canada
- March Shore Memorial Hospital - Staff Grand Rounds
Topic: Child Abuse
Newcomb, NJ
- March Chester County Hospital - Grand Rounds
Topic: Child Abuse
West Chester, PA
- March Orlando Regional Hospital - Visiting Professor
Topic: Head Trauma, Seizure
Orlando, FL
- April Glen Falls Hospital Conference
Topic: Child Abuse
Glen Falls, NY

- April Attorney General Conference - Delaware
Topic: Child Abuse
Wilmington, DE
- April Paoli Hospital - Grand Rounds
Topic: Child Abuse
Paoli, PA
- May AAP Section on Child Abuse - National Meeting
Topic: Abuse - Head Injury
Seattle, WA
- May North Penn Hospital
Topic: Child Abuse
Lansdale, PA
- June U of Iowa - School of Medicine
Topic: Consensus Conference on Abusive Head Trauma
Iowa City, Iowa
- June Atlantic City Medical Center
Topic: Sexual Abuse
Atlantic City, NJ

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