

## CURRICULUM VITAE

**Eugene David Shapiro, M.D.**

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## EDUCATION

### Undergraduate

1966-1970 Yale University, New Haven, Connecticut; B.A., English Literature.

### Graduate

1972-1976 University of California, San Francisco School of Medicine, San Francisco, California; M.D.

### Post Graduate

1976-1979 Children's Hospital of Pittsburgh, Pittsburgh, Pennsylvania; Residency in Pediatrics, T. K. Oliver, Jr., M.D., Chairman and Program Director.

1979-1981 Children's Hospital of Pittsburgh, Pittsburgh, Pennsylvania; Fellowship, Pediatric Infectious Diseases, R. H. Michaels, M.D., Chief, Division of Infectious Diseases.

1981-1983 Yale University School of Medicine, New Haven, Connecticut; Robert Wood Johnson Clinical Scholar, A. R. Feinstein, M.D., Program Director.

## HONORS

1970 *Cum laude*, Yale University

1991 Fellow, Branford College, Yale University

1993 Master of Arts Privatum (honorary degree), Yale University

## **APPOINTMENTS**

- 2004- Deputy Director, Yale Program in Investigative Medicine.
- 2000- Appointment to Faculty of Graduate School; Charter faculty member of faculty in newly established Ph.D. Program in Investigative Medicine, Yale University School of Medicine, New Haven, Connecticut.
- 1993- Professor of Pediatrics and of Epidemiology, Yale University School of Medicine, New Haven, Connecticut.
- 1989-1993 Associate Professor of Pediatrics and of Epidemiology and Public Health, Yale University School of Medicine, New Haven, Connecticut.
- 1983-1989 Assistant Professor of Pediatrics and of Epidemiology and Public Health, Yale University School of Medicine, New Haven, Connecticut.
- 1985-1992 Director of Pediatric Emergency Services, Yale-New Haven Hospital, New Haven, Connecticut.
- 1983-1988 Assistant Director Cystic Fibrosis Center, Yale-New Haven Hospital, New Haven, Connecticut.

## **CERTIFICATION**

- 1980 American Board of Pediatrics #25147
- 1988 Pediatric Infectious Disease Society
- 1994, 2002 American Board of Pediatrics--Infectious Diseases #040957

## **LICENSURE**

- 1981 Department of Health Services, State of Connecticut #022779

## **PROFESSIONAL SOCIETIES**

American Academy of Pediatrics  
American Epidemiologic Society  
American Pediatric Society  
Infectious Diseases Society of America  
Pediatric Infectious Disease Society  
Society for Pediatric Research

## **JOURNALS**

### **Editor**

The Report on Pediatric Infectious Diseases (Co-Chief Editor 1995-98)

### **Editorial Board**

Pediatric Infectious Disease Journal  
Infectious Diseases in Children

### **Ad Hoc Reviewer**

American Journal of Epidemiology  
American Journal of Infection Control  
American Journal of Medicine  
American Journal of Public Health  
American Journal of Tropical Medicine  
Annals of Internal Medicine  
Archives of Internal Medicine  
Archives of Pediatrics and Adolescent Medicine  
Clinical Infectious Diseases  
Chest  
CNS Drugs  
Consultant to American Medical Association's Drug Evaluations  
Consultant to The Medical Letter  
Emerging Infectious Diseases  
European Journal of Pediatrics  
European Journal of Clinical Microbiology and Infectious Diseases  
Infection  
Journal of the American Medical Association  
Journal of Clinical Epidemiology  
Journal of Infectious Diseases  
Journal of Clinical Epidemiology  
Journal of Pediatrics  
Lancet  
New England Journal of Medicine  
Pediatric Infectious Disease Journal  
Pediatrics  
Pediatric Research  
Vaccine  
Yale Press

## **MEMBERSHIP ON NATIONAL AND INTERNATIONAL COMMITTEES**

1. Consultant to the World Health Organization, Acute Respiratory Infections Control Programme, Geneva, Switzerland

2. Member, Infectious Diseases Society of America Committee to Develop Guidelines for Studies of New Antimicrobial Agents for the Food and Drug Administration
3. Chairman, Oversight Committee for the National Collaborative Randomized Clinical Trial of Dexamethasone to Prevent Hearing Loss in Children with Bacterial Meningitis
4. Member, Oversight Committee for the Randomized Clinical Trial of PRP-T Vaccine to Prevent Haemophilus infections in Children at Kaiser-Permanente of Southern California.
5. Consultant, National Vaccine Injury Compensation Program, Rockville, Maryland.
6. Ad Hoc Reviewer, National Institutes of Health.
7. Chairman, Scientific Advisory Group for the Epidemiology Branch of the Division of Epidemiology, Biostatistics and Prevention Research, National Institute of Child Health and Human Development.
8. Member, Infectious Diseases Society of America Committee to Develop Guidelines for Management of Patients with Lyme Disease.
9. Member, Oversight Committee for a national study (sponsored by the Centers for Disease Control and Boston University) of the association between use of ibuprofen and the risk of serious infections caused by group A streptococci.
10. Member, Oversight Committee for a national study (sponsored by the NIH and the University of Minnesota) of vaccination of mothers with a conjugate pneumococcal vaccine to prevent otitis media in infants.
11. Elected to the Council, Pediatric Infectious Diseases Society (1997-2002)
12. Planning Committee, 9<sup>th</sup> International Conference on Lyme Borreliosis
13. Special Consultant, World Health Organization, Department of Vaccines and Biologicals
14. Special Advisor, Food and Drug Administration, Vaccine Advisory Committee
15. Member, Clinical Research and Field Studies of Infectious Diseases Study Section of NIH

## PUBLICATIONS

### Original Articles

1. Rothenberg A, **Shapiro ED**: The defense of psychoanalysis in literature: *Long Day's Journey Into Night* and *A View From the Bridge*. *Comparative Drama* 7:51-67, 1973.
2. **Shapiro ED**, Neches WH, Matthews RA: Corpus luteum hemorrhagicum: An unusual complication of anticoagulant therapy. *Am J Dis Child* 132:523-524, 1980.

3. **Shapiro ED**, Wald ER: Efficacy of rifampin in eliminating pharyngeal carriage of *Haemophilus influenzae* type b. *Pediatrics* 66:5-8, 1980.
4. **Shapiro ED**: Persistent pharyngeal carriage of *Haemophilus influenzae* type b following intravenous chloramphenicol. *Pediatrics* 67:436-437, 1981.
5. **Shapiro ED**: *Yersinia enterocolitica* septicemia in normal infants. *Am J Dis Child* 113:477-478, 1981.
6. **Shapiro ED**, Wald ER: Single dose amoxicillin treatment of urinary tract infection. *J Pediatr* 99:989-992, 1981.
7. **Shapiro ED**: Prophylaxis for contacts of patients with meningococcal and *Haemophilus influenzae* type b disease. *Pediatr Infect Dis* 2:132-138, 1982.
8. **Shapiro ED**, Wald ER, Doyle W, Rohn D: Bacteriology of the maxillary sinus of rhesus monkeys. *Ann Otol Rhinol Otolaryngol* 91:150-151, 1982.
9. Bowers SK, MacDonald HN, **Shapiro ED**: Prevention of iatrogenic neonatal respiratory distress syndrome: Elective repeat cesarean section and spontaneous labor. *Am J Obstet Gynecol* 142:186-190, 1982.
10. **Shapiro ED**, Wald ER, Brozanski BS: Periorbital and orbital cellulitis and paranasal sinusitis: a reappraisal. *Pediatr Infect Dis* 2:91-94, 1982.
11. **Shapiro ED**, Wald ER, Nelson K, Spiegelman KN: Broviac catheter-related bacteremia in oncology patients. *Am J Dis Child* 136:679-681, 1982.
12. **Shapiro ED**: Short-course antimicrobial treatment of urinary tract infections in children: A critical analysis. *Pediatr Infect Dis* 1:294-297, 1982.
13. **Shapiro ED**, Milmo GJ, Wald ER, Rodnan JB, Bowen A: Bacteriology of the maxillary sinuses in patients with cystic fibrosis. *J Infect Dis* 146:589-593, 1982.
14. Clemens JD, **Shapiro ED**: The pneumococcal vaccine controversy: Are there alternatives to randomized clinical trials. *Rev Infect Dis* 6:589-600, 1984.
15. **Shapiro ED**, Clemens JD: A controlled evaluation of the protective efficacy of pneumococcal vaccine for patients at high risk for serious pneumococcal infections. *Ann Intern Med* 101:325-330, 1984.
16. **Shapiro ED**: Exclusion of ill children from day-care centers: Policy and practice. *Clin Pediatr* 23:689-691, 1984.
17. Baron J, **Shapiro ED**: Unsuspected bacteremia caused by *Branhamella catarrhalis*. *Pediatr Infect Dis* 4:100-101, 1985.

18. Kovatch AL, Wald ER, Albo VC, Prin W, Orlando SJ, Wollman MR, Phebus CK, **Shapiro ED**: Oral trimethoprim/sulfamethoxazole for the prevention of bacterial infections during the induction phase of chemotherapy for cancer in children. *J Pediatr* 76:754-760, 1985.
19. Springer GL, **Shapiro ED**: Fresh water swimming as a risk factor for otitis externa: A case-control study. *Arch Environ Health* 40:202-206, 1985.
20. Katz JN, Horwitz RI, Dolan TF, **Shapiro ED**: Clinical features as predictors of functional status for children with cystic fibrosis. *J Pediatr* 108: 352-358, 1986.
21. **Shapiro ED**, Kuritsky J, Potter J: Policies for the exclusion of ill children from group day-care: An unresolved dilemma. *Rev Infect Dis* 8:622-625, 1986.
22. Leventhal JM, **Shapiro ED**, Aten CB, Bert AT, Egerter SA: Does breast-feeding protect against infections in infants less than three months of age? *Pediatrics* 78:896-903, 1986.
23. Bauchner H, Leventhal JM, **Shapiro ED**: Studies of breast-feeding and infections: How good is the evidence? *JAMA* 256:887-892, 1986.
24. **Shapiro ED**, Aaron NH, Wald ER, Chiponis D: Risk factors for the development of bacterial meningitis among children with occult bacteremia. *J Pediatr* 109:15-19, 1986.
25. Katz BZ, **Shapiro ED**: Predictors of persistently positive blood cultures in children with occult bacteremia with salmonella. *Pediatr Infect Dis* 5:713-714, 1986.
26. **Shapiro ED**: Lack of transmission of hepatitis B in a day care center. *J Pediatr* 110:90-92, 1987.
27. Wood CC, McNamara JG, Schwarz DF, Merrill WW, **Shapiro ED**: Prevention of pneumococcal bacteremia in a child with AIDS-related complex. *Pediatr Infect Dis J* 6:564-566, 1987.
28. Lichtman J, **Shapiro ED**, Petersen L, Hadler J, Haemophilus Vaccine Study Group: The use of *Haemophilus influenzae* type b polysaccharide vaccine in New Haven, Connecticut. *Pediatrics* 80:288-289, 1987.
29. Jenson HB, **Shapiro ED**: Primary herpes simplex virus infection of a diaper rash. *Pediatr Infect Dis J* 6:1136-7, 1987.
30. Christie CDC, Havens PL, **Shapiro ED**: Bacteremia with Group A streptococci in childhood. *Am J Dis Child* 142:559-561, 1988.
31. **Shapiro ED**, Murphy TV, Wald ER, Brady CA: The protective efficacy of *Haemophilus influenzae* type b polysaccharide vaccine in Connecticut, Dallas and Pittsburgh. *JAMA* 260:1413-1418, 1988.

32. Baltimore, RS, Duncan RL, **Shapiro ED**, Edberg SC: The epidemiology of pharyngeal colonization of infants with gram-negative rod bacteria. *J Clin Microbiol* 27:91-95, 1989.
33. **Shapiro ED**: Analytic strategies in hospital epidemiology: Case-control studies. *Infect Control* 10:167-169, 1989.
34. Forsyth BW, Horwitz RI, Acampora D, **Shapiro ED**, Viscoli CM, Feinstein AR, *et al*: New epidemiologic evidence confirming that bias does not explain the aspirin/Reye's syndrome association. *JAMA* 261:2517-2524, 1989.
35. Leventhal JM, **Shapiro ED**, Bauchner H: Science versus opinion: A response to Cunningham's Critique. *J Human Lact* 5:126-128, 1989.
36. Alario AJ, Nelson EW, **Shapiro ED**: The impact of blood cultures on the management of outpatients with bacteremia. *J Pediatr* 115:195-199, 1989.
37. D'Cruz OF, **Shapiro ED**, Spiegelman KH, *et al*: Acute inflammatory demyelinating polyradiculoneuropathy (Guillain-Barre Syndrome) after immunization with *Haemophilus influenzae* type b (PRP-D) conjugate vaccine. *J Pediatr* 115:743-748, 1989.
38. **Shapiro ED**, Capobianco LA, Berg AT, Zitt MQ: The immunogenicity of *Haemophilus influenzae* type b polysaccharide-*Neisseria meningitidis* Group B outer membrane protein vaccine in infants and young children. *J Infect Dis* 160:1064-1067, 1989.
39. **Shapiro ED**, Berg AT: The protective efficacy of *Haemophilus* b polysaccharide vaccine. *Pediatrics* 85 (Suppl):643-647, 1990.
40. Berg AT, **Shapiro ED**, Capobianco LA: Group day care and the risk of serious infectious illnesses. *Am J Epidemiol* 133:154-163, 1991.
41. **Shapiro ED**, Ward JI: The epidemiology and prevention of disease caused by *Haemophilus influenzae* type b. *Epidemiol Rev* 13:113-42, 1991.
42. **Shapiro ED**, Berg AT, Austrian R, Schroeder D, Parcels V, Margolis A, Adair R K, Clemens JD: The protective efficacy of polyvalent pneumococcal polysaccharide vaccine. *N Engl J Med* 325:1453-1460, 1991.
43. Forsyth BW, **Shapiro ED**, Horwitz RI, *et al*: Misdiagnosis of Reye's-like illness. *Am J Dis Child* 145:964-966, 1991.
44. Katz BZ, Berkman AB, **Shapiro ED**: Serologic evidence of active Epstein-Barr virus infection in the EBV-associated lymphoproliferative disorders of the Acquired Immunodeficiency Syndrome. *J Pediatr* 120:228-232, 1992.
45. Loughlin AM, Marchant CD, Lett S, **Shapiro ED**: Efficacy of *Haemophilus influenzae* type b vaccines in Massachusetts children 18 to 59 months of age. *Pediatr Infect Dis J* 11:374-379, 1992.

46. Andiman WA, Silva TJ, **Shapiro ED** et al: Predictive value of the human immunodeficiency virus 1 antigen test in children born to infected mothers. *Pediatr Infect Dis J* 11:436-40, 1992.
47. Gerber MA, **Shapiro ED**: Diagnosis of Lyme disease in children. *J Pediatr* 121:157-162, 1992.
48. Korones DN, Marshall GS, **Shapiro ED**: Outcome of children with occult bacteremia caused by *Haemophilus influenzae* type b. *Pediatr Infect Dis J* 11:516-520, 1992.
49. Berg AT, Shinnar S, Hauser WA, Alemany A, **Shapiro ED**, Salomon ME, Crain EF: Predictors of recurrent febrile seizures: A prospective study of the circumstances surrounding the initial febrile seizure. *N Engl J Med* 327:1122-1127, 1992.
50. Rubin RH, **Shapiro ED**, Andriole VT, Davis RJ, Stamm WE: Evaluation of new anti-infective drugs for the treatment of urinary tract infection. *Clin Infect Dis* 15(Suppl 1):S216-2S227; 1992.
51. **Shapiro ED**, Gerber MA, Holabird N, Berg AT, Feder HM, Bell GL, Rys PR, Persing DH: A controlled trial of antimicrobial prophylaxis for Lyme disease after deer-tick bites. *N Engl J Med* 327:1769-1773; 1992.
52. Feder HM Jr, Gerber MA, Krause PJ, Ryan R, **Shapiro ED**: Early Lyme disease presenting as a flu-like illness without erythema migrans. *Pediatrics* 91:456-459; 1993.
53. Ikeda MK, Andiman WA, Mezger JL, **Shapiro ED**, Miller G: Quantitative leukoviremia and immune complex dissociated antigenemia as predictors of infection status in children born to HIV-1 seropositive mothers. *J Pediatr* 1993; 122:524-531.
54. **Shapiro ED**, Austrian R: Serotypes responsible for invasive pneumococcal infections among children in Connecticut. *J Infect Dis* 1994;169:212-213.
55. Andiman WA, Mezger J, **Shapiro ED**. Invasive bacterial infections in children born to women infected with Human immunodeficiency virus type 1. *J Pediatr* 1994;124:846-852.
56. Korones DN, **Shapiro ED**. Occult pneumococcal bacteremia: What happens to the child who appears well at re-evaluation? *Pediatr Infect Dis J* 1994;13:382-386.
57. Gerber MA, **Shapiro ED**, Krause PJ, Cable RG, Badon SJ, Ryan RW. The risk of acquiring Lyme disease or babesiosis from a blood transfusion. *J Infect Dis* 1994;170:231-234.
58. Berg AT, Shinnar S, **Shapiro ED**, Salomon ME, Crain EF, Hauser WA. Risk factors for a first febrile seizure. *Pediatrics* 1994;93:1033-1037.
59. Fedson DS, **Shapiro ED**, LaForce FM, Mufson M, Musher DM, Spika JS, Breiman RF, Broome CV. Pneumococcal vaccine after 15 years of use. *Arch Intern Med* 1994;154:2531-2535.

60. Gerber MA, **Shapiro ED**, Bell GL, Sampieri A, Padula SJ. Recombinant outer surface protein C ELISA for the diagnosis of early Lyme disease. *J Infect Dis* 1995;171:724-727.
61. **Shapiro ED**. Lyme disease in children. *Am J Med* 1995;98:69S-73S.
62. Seltzer EG, **Shapiro ED**. Misdiagnosis of Lyme disease: When not to order serologic tests. *Pediatr Infect Dis J* 1996;15:762-763.
63. Simpson BJ, **Shapiro ED**, Andiman WA. Reduction in the risk of vertical transmission of HIV-1 associated with treatment of pregnant women with orally-administered zidovudine alone. *J AIDS Hum Retrovirol* 1997;14:145-152.
64. Gerber MA, **Shapiro ED**, Ryan RW, Bell GL. Evaluations of enzyme-linked immunosorbent assay procedure for determining specific Epstein-Barr virus serology and of rapid test kits for diagnosis of infectious mononucleosis. *J Clin Microbiol* 1996; 34:3240-3241.
65. Gerber MA, **Shapiro ED**, Burke GS, Parcels VJ, Bell GL, Pediatric Lyme Disease Study Group. Lyme disease in children in Southeastern Connecticut. *N Engl J Med* 1996;335:1270-1274.
66. Kramer MS, **Shapiro ED**. Management of the young febrile child: A commentary on recent practice guidelines. *Pediatrics* 1997;100:128-134.
67. Berg AT, Shinnar S, Darefsky AS, Holford TR, **Shapiro ED**, Salomon ME, Crain EF, Hauser WA. Predictors of recurrent febrile seizures: A prospective cohort study. *Arch Pediatr Adolesc Med* 1997;151:371-378.
68. Gerber MA, Zemel LS, **Shapiro ED**. Lyme arthritis in children: Clinical epidemiology and long-term outcomes. *Pediatrics* 1998;102:905-908.
69. Mahabee-Gittens EM, Bachman DT, **Shapiro ED**, Dowd MD. Chest radiographs in the pediatric emergency department for children  $\leq 18$  months of age with wheezing. *Clin Pediatr* 1999;38:395-9.
70. Butler JC, **Shapiro ED**, Carlone GM. Pneumococcal vaccines: History, current status and future directions. *Am J Med* 1999;107(1A):69S-76S.
71. Simpson BJ, **Shapiro ED**, Andiman WA. A prospective cohort study of children born to HIV-infected mothers, 1985-1997: Trends in the risk of vertical transmission, survival, and AIDS-indicator diseases in the era before highly active antiretroviral therapy. *Pediatr Infect Dis J* 2000;19:618-24.
72. Seltzer EG, Gerber MA, Cartter ML, Freudigman K, **Shapiro ED**. Long-term outcomes of persons with Lyme disease. *JAMA* 2000;283:609-16.

73. King JC Jr, Borkowsky W, Mahidhara N, Madore D, **Shapiro ED**, Rutstein RM, et al. Group-specific antibody levels surrounding invasive pneumococcal illness in children infected with Human Immunodeficiency Virus. *J Infect Dis* 2000;181:1817-21.
74. **Shapiro ED**, Gerber MA. State-of-the-Art Clinical Article: Lyme disease. *Clin Infect Dis*. 2000;31:533-42.
75. Juhn YJ, **Shapiro ED**, McCarthy P, Freudigman K. Willingness of directors of child care centers to care for children with chronic infections. *Pediatr Infect Dis J* 2001;20:77-9.
76. LaRussa P, Steinberg SP, **Shapiro E**, Vazquez M, Gershon AA. Viral strain identification in varicella vaccinees with disseminated rashes. *Pediatr Infect Dis J* 2000;19:1037-9.
77. Vázquez M, LaRussa PS, Gershon AA, Steinberg SP, Freudigman K, **Shapiro ED**. Effectiveness of Varicella Vaccine in Clinical Practice. *N Engl J Med* 2001;344:955-60.
78. Colson ER, Bergman DM, **Shapiro ED**, Leventhal JM. Position for sleep: Association with parents' perception of their nursery experience. *Birth* 2001;28:249-53.
79. Juhn YJ, St. Suaver J, **Shapiro ED**, McCarthy PL. How do child care center personnel define fever? *Ambul Child Health* 2001;7:143-8.
80. Juhn YJ, Sauver JS, **Shapiro ED**, McCarthy PL. Child care program directors' level of knowledge about asthma and factors associated with knowledge. *Clin Pediatr* 2002; 41:111-6.
81. **Shapiro ED**. Long-term outcomes of persons with Lyme disease. *Vector Borne and Zoonotic Dis* 2002;2:279-81.
82. Vázquez M, Sparrow SS, **Shapiro ED**. Long-term neuropsychologic and health outcomes of children with facial nerve palsy due to Lyme disease. *Pediatrics*2003;112:e93-7.
83. Benin AL, Vitkauskas G, Thornquist E, Shiffman R, Concato J, Krumholz H, **Shapiro ED**. Improving diagnostic testing and reducing overuse of antibiotics for children with pharyngitis: a useful role for the electronic medical record. *Pediatr Infect Dis J* 2003;22:1043-7
84. Benin AL, Vitkauskas G, Thornquist E, **Shapiro ED**, Shiffman R, Concato J, Krumholz H. Using an Electronic Medical Record for Assessing Quality of Care in an Outpatient Setting: Experience with Pharyngitis in Children Medical Care In Press
85. Kuhn B, **Shapiro ED**, Walls TA, Friedman AH. Predictors of outcome of myocarditis. *Pediatr Cardiol* In Press
86. **Shapiro ED**. Case-control studies of the effectiveness of vaccines: Validity and assessment of bias. *Pediatr Infect Dis J* 2004;23:127-31.

87. Benin AL, Dembry L, **Shapiro ED**, Holmboe ES. Reasons physicians accepted or declined smallpox vaccine: February-April, 2003. *J Gen Intern Med* 2004; 18:85-89.
88. Vázquez M, LaRussa PS, Gershon AA, Nicolai LM, Muehlenbein CE, Steinberg SP, **Shapiro ED**. Effectiveness of varicella vaccine over time. *JAMA* 2004; 291:851-855.

### Editorials

1. **Shapiro ED**: Pertussis vaccines: Seeking a better mousetrap. *JAMA* 1992; 267:2788-90.
2. **Shapiro ED**: Infections caused by *Haemophilus influenzae* type b: The beginning of the end? *JAMA* 269:264-6, 1993.
3. **Shapiro ED**, Gerber MA. Lyme disease and facial nerve palsy: More questions than answers. *Arch Pediatr Adolesc Med* 1997;151:1183-4.
4. **Shapiro ED**, LaRussa PS. Vaccination for varicella--Just do it! *JAMA* 1998;278:1529-30.
5. **Shapiro ED**. Doxycycline for tick bites--Not for everyone. *N Engl J Med* 2001; 345:133-4.

### Solicited Chapters and Reviews

1. **Shapiro ED**, Wald ER: Upper respiratory infections in children. *Family Practice Recertification* 2:15-30, 1980.
2. **Shapiro ED**, Wald ER: Sinusitis in children. In: *Pediatrics Update: Reviews for Physicians*, Elsevier, New York, 1981, pp. 43-59.
3. **Shapiro ED**: Prophylaxis for bacterial meningitis. *Med Clin N Amer* 69:269-280, 1985.
4. **Shapiro ED**: A critical review of short-course antimicrobial treatment of urinary tract infections in children. In: Nelson JD, McCracken GH Jr (eds). *Clinical Reviews in Pediatric Infectious Disease*, B.C. Decker, Inc, Toronto, 1985, pp. 245-248.
5. **Shapiro ED**: Prophylaxis for contacts of patients with disease caused by meningococci or *Haemophilus influenzae* type b. In: Nelson JD, McCracken GH Jr (eds). *Clinical Reviews in Pediatric Infectious Disease*, B.C. Decker, Inc, Toronto, 1985, pp. 15-24.
6. **Shapiro ED**: Bacteremia in the febrile child. In: Aronoff SC, ed. *Advances in Pediatric Infectious Diseases Vol. 1*, Year Book Publishers, Chicago, 1986, pp. 19-35.
7. **Shapiro ED**: Periorbital and orbital cellulitis. In: Nelson JD, ed. *Current Therapy in Pediatric Infectious Disease*, B.C. Decker, Toronto, 1986 p. 12-13.

8. **Shapiro ED:** Meningococcus. In: Donowitz LG, ed. Hospital Acquired Infections in the Pediatric Patient. Williams and Wilkins, Baltimore. 1988, pp. 231-236.
9. **Shapiro ED:** Fever without focal infections in infants and toddlers. In: Nelson JD ed. Current Therapy in Pediatric Infectious Disease, 2nd edition, B.C. Decker, Toronto, 1988, pp. 283-284.
10. **Shapiro ED:** Lyme Disease. Current Opinion in Pediatrics 2:81-86, 1990.
11. **Shapiro ED:** New vaccines against *Haemophilus influenzae* type b. Pediatr Clin N Amer 37:567-583, 1990.
12. **Shapiro ED:** Lyme Disease. Current Opinion in Infectious Diseases 3:638-642, 1990.
13. **Shapiro ED:** Pneumococcal Vaccines. Semin Pediatr Infect Dis 2:135-140, 1991.
14. Baltimore R, **Shapiro ED:** Pneumococcal Infections. In: Evans AS and Brachman PS, eds. Bacterial Infections of Humans: Epidemiology and Control 2nd Edition, Plenum Press, New York, 1991, pp 525-546.
15. **Shapiro ED:** Meningococcal Infections. In: Donowitz LG, ed. Infection Control in Child Care. Williams and Wilkins, Baltimore, 1991, pp 189-192.
16. **Shapiro ED:** *Streptococcus pneumoniae*. In: Cryz SJ Jr., ed. Vaccines and Immunotherapy. Pergamon Press, New York, 1991, pp 127-139.
17. **Shapiro ED:** Bacterial respiratory infections and otitis media. Pediatr Ann 20:413-418, 1991.
18. **Shapiro ED:** Infections of the urinary tract. Pediatr Infect Dis J 11:165-168, 1992.
19. **Shapiro ED:** Lyme disease. In: Kaplan SL, ed. Current Therapy in Pediatric Infectious Diseases, 3rd Edition. B. C. Decker, St. Louis, 1993, pp 217-219.
20. **Shapiro ED:** *Haemophilus influenzae* type b. In: Burg FD, Ingelfinger JR, Wald ER, eds. Current Pediatric Therapy, Volume 14. W. B. Saunders, Philadelphia, 1993, pp 570-573.
21. **Shapiro ED:** Lyme disease. In: Burg FD, Ingelfinger JR, Wald ER, eds. Current Pediatric Therapy, Volume 14. W. B. Saunders, Philadelphia, 1993, pp 610-612.
22. **Shapiro ED:** Lyme disease. In: Jenson H, Baltimore R, eds. Pediatric Infectious Diseases: Principles and Practice. Appleton and Lange, 1995:Norwalk,CT, pp 429-438.
23. **Shapiro ED:** Protective efficacy trials In: Ellis RW, Granoff DM, eds. Development and clinical uses of *Haemophilus b* conjugate vaccines. New York: Marcel Dekker 1994; pp.339-356.

24. **Shapiro ED:** Urinary tract infections. In: Burg FD, Ingelfinger JR, Wald ER, Polin RA, eds. Current Pediatric Therapy, Volume 15. W. B. Saunders, Philadelphia, 1995 pp. 419-421.
25. **Shapiro ED:** Lyme disease. In: Burg FD, Ingelfinger JR, Wald ER, Polin RA, eds. Current Pediatric Therapy, Volume 15. W. B. Saunders, Philadelphia, 1995 pp. 605-607.
26. **Shapiro ED:** Lyme disease. Semin Pediatr Infect Dis 1994;5:112-20.
27. Baltimore RS, **Shapiro ED:** Lyme disease. Pediatrics in Review 1994;15:167-173.
28. McCarthy PL, Bachman DT, **Shapiro ED**, Baron MA: Fever without apparent source on clinical examination, lower respiratory infections in children, bacterial infections, acute gastroenteritis and diarrhea of infancy and early childhood. Current Opinion in Pediatrics 1995;7:107-125.
29. **Shapiro ED:** Lyme disease. In: Long SS, Pickering LK, Prober CG, eds, Principles and Practice of Pediatric Infectious Diseases. Churchill Livingstone 1996; pp.1061-1067.
30. **Shapiro ED.** Fever without localizing signs, In: Long SS, Pickering LK, Prober CG, eds, Principles and Practice of Pediatric Infectious Diseases. Churchill Livingstone 1996; pp.119-124.
31. **Shapiro ED.** Leptospirosis. In: Long SS, Pickering LK, Prober CG, eds, Principles and Practice of Pediatric Infectious Diseases. Churchill Livingstone 1996; pp.1061-1067.
32. **Shapiro ED.** Other Treponema species: *Borrelia* species and *Spirillum minor*. In: Long SS, Pickering LK, Prober CG, eds, Principles and Practice of Pediatric Infectious Diseases. Churchill Livingstone 1996; pp. 1067-1069.
33. McCarthy PL, Klig JE, **Shapiro ED**, Baron MA: Fever without apparent source on clinical examination, lower respiratory infections in children, other infectious diseases, and acute gastroenteritis and diarrhea of infancy and early childhood. Current Opinion in Pediatrics 1996;8:75-93.
34. **Shapiro ED:** Lyme disease. In: Behrman RE, Kliegman RM, Arvin AM eds. Nelson Textbook of Pediatrics Volume 15. W. B. Saunders, Philadelphia, 1996, pp 831-834.
35. **Shapiro ED:** Lyme disease in children. In: Rahn DW, Evans JE, eds. Lyme disease. American College of Physicians, Philadelphia, 1998, pp. 123-35
36. **Shapiro ED.** Epidemiology and Biostatistics. In: Feigin R, Cherry J, eds. Textbook of Pediatric Infectious Diseases, 4<sup>th</sup> ed. W.B. Saunders, Philadelphia 1997 pp. 2907-21.
37. **Shapiro ED.** Lyme Disease, In: Stockman JA III, Lohr JA, eds. Essence of Office Pediatrics, W. B. Saunders Co., Philadelphia, 2001. p. 249

38. **Shapiro ED.** Rocky Mountain Spotted Fever, In: Stockman JA III, Lohr JA, eds. *Essence of Office Pediatrics*, W. B. Saunders Co., Philadelphia, 2001. p. 346
39. **Shapiro ED,** Seltzer EG. Lyme disease in children. *Semin Neurol* 1997;17:39-44.
40. **Shapiro ED.** Lyme disease. *Pediatrics in Review* 1998;19:147-54.
41. **Shapiro ED.** Tick-borne diseases. *Adv Pediatric Infect Dis* 1997;13:187-211.
42. **Shapiro ED.** Tick-borne diseases. In: Katz SL, Gershon AA, Hotez PJ, eds, *Krugman's infectious diseases of children (10th ed)*, Mosby, St. Louis, MO, 1998 pp. 508-537.
43. **Shapiro ED.** Epidemiology of acute respiratory infections. *Semin Pediatr Infect Dis* 1998;9:31-6.
44. **Shapiro ED.** Meningococcal Infections. In: Donowitz LG, ed. *Infection Control in the child care center and preschool*. Williams and Wilkins, Baltimore, 3rd ed. 1996, pp 183-186.
45. **Shapiro ED.** Management of persons bitten by deer ticks. *The Report on Pediatric Infectious Diseases* 1997;7:19-20.
46. McCarthy PL, Klig JE, Kahn JS, **Shapiro ED,** Baron MA. Fever without apparent source on clinical examination, lower respiratory infections in children, other infectious diseases, and acute gastroenteritis and diarrhea of infancy and early childhood. *Current Opinion in Pediatrics* 1997;9:105-26.
47. **Shapiro ED,** Coleman DL. *Borrelia burgdorferi*. In: Yu VL, Merigan TC Jr, Barriere SL, eds. *Antimicrobial Therapy and Vaccines*. Williams and Wilkins, Baltimore:1999, pp 60-71.
48. **Shapiro ED.** Lyme disease. In: Rakel RE, Bope ET, eds, *Conn's Current Therapy*. W.B. Saunders, Philadelphia, 2001; pp 128-131.
49. **Shapiro ED,** Coleman DL. The Scholarship of Application. *Academic Medicine* 2000;75:895-898.
50. Wormser GP, Nadelman RB, Dattwyler RJ, Dennis DT, **Shapiro ED,** Steere AC, Rush TJ, Rahn DW, Coyle PJ, Persing DH, Fish DH, Luft BJ. Infectious Diseases Society of America Practice Guidelines for the Treatment of Lyme Disease. *Clin Infect Dis* 2000;31 (Suppl 1): S1-S14.
51. **Shapiro ED:** Babesiosis. In: Burg FD, Ingelfinger JR, Wald ER, Polin RA, eds. *Current Pediatric Therapy*, Volume 16.
52. **Shapiro ED:** Lyme disease. In: Burg FD, Ingelfinger JR, Wald ER, Polin RA, eds. *Current Pediatric Therapy*, Volume 16.
53. **Shapiro ED,** Gerber MA, Krilov L. Lyme disease and Lyme hysteria. CME Audiotape. American Academy of Pediatrics, Vol. 22, No. 2, 2001.

54. **Shapiro ED**, Fish D. Removal of Ticks. *Pediatr in Review CD-ROM* 1998;19:12.
55. **Shapiro ED**. Diagnosing Lyme disease: Great imitator or grand illusion? *Infect Dis Child* 2001;14:12-7.
56. Gerber MA, **Shapiro ED**. Late Lyme disease: Clearing up the confusion. *Contemp Pediatr* 2001;18: 46-56.
57. **Shapiro ED**, Gerber MA. Lyme disease: Fact versus fiction. *Pediatr Annals* 2002;31:170-7.
58. **Shapiro ED**: Babesiosis. In: Burg FD, Ingelfinger JR, Polin RA, Gershon AA, eds. *Current Pediatric Therapy, Volume 17*, W.B. Saunders, Philadelphia, pp. 83-86.
59. **Shapiro ED**: Lyme disease. In: Burg FD, Ingelfinger JR, Polin RA, Gershon AA, eds. *Current Pediatric Therapy, Volume 17*, W.B. Saunders, Philadelphia. 2002 p. 178.
60. **Shapiro ED**: Lyme disease. In: Jenson H, Baltimore R, eds. *Pediatric Infectious Diseases: Principles and Practice*. 2<sup>nd</sup> edition. W. B. Saunders, 2002:Philadelphia, pp 348-53.
61. **Shapiro ED**: Lyme disease. In: Long SS, Pickering LK, Prober CG, eds, *Principles and Practice of Pediatric Infectious Diseases*. 2<sup>nd</sup> edition, Churchill Livingstone Philadelphia: 2003; pp.965-9.
62. **Shapiro ED**: Other *Treponema* species: *Borrelia* and *Spirillum minus*. In: Long SS, Pickering LK, Prober CG, eds, *Principles and Practice of Pediatric Infectious Diseases*. 2<sup>nd</sup> edition, Churchill Livingstone Philadelphia: 2003; pp.969-71.
63. **Shapiro ED**. Fever without localizing signs. In: Long SS, Pickering LK, Prober CG, eds, *Principles and Practice of Pediatric Infectious Diseases*. 2<sup>nd</sup> edition, Churchill Livingstone Philadelphia: 2003; pp.110-14.
64. **Shapiro ED**. *Leptospira* species (Leptospirosis). In: Long SS, Pickering LK, Prober CG, eds, *Principles and Practice of Pediatric Infectious Diseases*. 2<sup>nd</sup> edition, Churchill Livingstone Philadelphia: 2003; pp.962-5.
65. **Shapiro ED**. Case-control studies. *Pediatr Infect Dis J* 2003;22: 85-7.
66. **Shapiro ED**. Meningococcal Infections. In: Donowitz LG, ed. *Infection Control in the child care center and preschool*. Williams and Wilkins, Baltimore, 6th ed. 2003, pp 201-4.
67. **Shapiro ED**, Coleman DL. *Borrelia burgdorferi*. In: Yu VL, Weber R, Raoult D, eds. *Antimicrobial Therapy and Vaccines. Vol. I: Microbes*. 2<sup>nd</sup> ed. Apple Tree Productions, LLC. New York: 2002; pp 103-15.

68. **Shapiro ED.** Epidemiology and Biostatistics. In: Feigin RD, Cherry JD, Demmler GJ, Kaplan SL, eds. Textbook of Pediatric Infectious Diseases, 5<sup>th</sup> ed. W.B. Saunders, Philadelphia: 2003; pp3332-45.
69. **Shapiro ED.** Tick-borne diseases. In: Katz SL, Gershon AA, Hotez PJ, eds, Krugman's infectious diseases of children (11th ed), Mosby, St. Louis, MO, In Press
70. **Shapiro ED.** Lyme disease. In: Baker CJ, Wilson C, Klein J, Remington J, eds. Infectious Diseases of the Fetus and Newborn Infant, 6<sup>th</sup> ed. Elsevier, Philadelphia, PA In Press.

### **Scientific Presentations**

1. **Shapiro ED, Wald ER:** Efficacy of high dose rifampin in eliminating pharyngeal carriage of *Haemophilus influenzae* type b. Midwest Society for Pediatric Research, Cincinnati, 1979.
2. **Shapiro ED, Wald ER:** Single-dose treatment of urinary tract infections in children. Midwest Society for Pediatric Research. Chicago, 1980.
3. **Shapiro ED, Wald ER:** Single-dose amoxicillin treatment of urinary tract infections. Ambulatory Pediatric Association. San Francisco, 1981.
4. **Shapiro ED, Milmoie FJ, Rodnan JB, Wald ER, Bowen A:** Bacteriology of the maxillary sinuses in patients with cystic fibrosis. International Cystic Fibrosis Club. Minneapolis, 1981.
5. **Shapiro ED, Milmoie GJ, Wald ER, Rodnan JB, Bowen A:** Bacteriology of the maxillary sinuses in patients with cystic fibrosis. 21st Interscience Conference on Antimicrobial Agents and Chemotherapy, Chicago, 1981.
6. **Shapiro ED, Wald ER, Nelson KA, Spiegelman KN:** Broviac catheter-related bacteremia in pediatric oncology patients. 21st Interscience Conference on Antimicrobial Agents and Chemotherapy, Chicago, 1981.
7. **Shapiro ED, Clemens JD:** Pneumococcal vaccine efficacy against serious pneumococcal infections in patients with vaccine indications. American Federation for Clinical Research. Washington, 1983.
8. **Shapiro ED:** Exclusion of ill children from day-care centers: Policy and practice. Society for Pediatric Research. Washington, 1983.
9. **Shapiro ED, Aaron N, Wald ER, Chiponis D:** Risk factors for the development of bacterial meningitis in children with unsuspected bacteremia. 24th Interscience Conference on Antimicrobial Agents and Chemotherapy, Washington, 1984.

10. **Shapiro ED**, Clemens JD: A community-based assessment of the protective efficacy of pneumococcal vaccine. 24th Interscience Conference on Antimicrobial Agents and Chemotherapy, Washington, 1984.
11. Kovatch A, Wald E, **Shapiro ED**: Trimethoprim/sulfamethoxazole prophylaxis of bacterial infections during the induction phase of chemotherapy for cancer in children. 24th Interscience Conference on Antimicrobial Agents and Chemotherapy, Washington, 1984.
12. **Shapiro ED**, Aaron NH, Wald ER, Chiponis D: Risk factors for the development of bacterial meningitis in children. Ambulatory Pediatric Association. Washington, 1985.
13. Nelson EW, Alario AJ, **Shapiro ED**: "Expectant" treatment with antimicrobials for febrile children: Potential impact on the frequency of serious infections. Ambulatory Pediatric Association. Washington, 1985.
14. Bauchner H, Leventhal J, **Shapiro E**: Studies of breast-feeding and infections: Methodologic flaws and conflicting results. Ambulatory Pediatric Association. Washington, 1985.
15. Katz BZ, **Shapiro ED**: Predictors of persistent bacteremia in children with occult salmonella bacteremia. Twenty-fifth Interscience Conference on Antimicrobials and Chemotherapy. Minneapolis, 1985.
16. Davis W, **Shapiro ED**: Serious infections in group day care and the pediatrician. (Workshop) Ambulatory Pediatric Association. Washington, 1986.
17. **Shapiro ED**, Pramberg JC, Daum RS: Immunologic priming of infants with a single dose of *H. influenzae* type b polysaccharide-*N. meningitidis* outer membrane protein conjugate vaccine. Society for Pediatric Research. Anaheim, CA, 1987.
18. **Shapiro ED**: A community-based case-control study of the association between the attendance of group day care and disease due to *Haemophilus influenzae* type b. Society for Pediatric Research. Anaheim, CA, 1987.
19. Horwitz SM, Dolan TF, Katz JN, **Shapiro ED**, Horwitz RI: Shwachman scale: Component indexes and the mismeasure of functional status in cystic fibrosis. Ambulatory Pediatric Association. Anaheim, CA, 1987.
20. **Shapiro ED**, Lichtman J, Petersen L, Hadler J: Use of *Haemophilus* vaccine in Connecticut. Society for Pediatric Research. Anaheim, CA, 1987.
21. Murphy TV, **Shapiro ED**, Wald ER: The protective efficacy of *H. influenzae* type b polysaccharide vaccine. 27th Interscience Conference on Antimicrobial Agents and Chemotherapy, New York, 1987.

22. Komp D, McNamara J, **Shapiro ED**: Elevated levels of soluble interleukin-2 receptor is a marker of disease activity in hemophagocyte histiocytosis but is not related to HTLV I or II infection. Society for Pediatric Research. Washington, D.C., May, 1988.
23. Forsyth BW, Horwitt RI, Acampora D, Holabird N, Jones B, Miclette M, **Shapiro ED**, *et al*: Aspirin and Reye's syndrome: Biologic fact or methodologic error? Society for Pediatric Research. Washington, D.C., May, 1988.
24. **Shapiro ED**, Austrian R, Adair RK, and Clemens JD: The protective efficacy of pneumococcal vaccine. American Federation for Clinical Research. Washington, D.C., May, 1988.
25. **Shapiro ED**, Capobianco LA, Zitt MA: Immunogenicity of *H. influenzae* type b polysaccharide-*N. meningitidis* outer membrane protein conjugate vaccine in infants and young children. 28th Interscience Conference on Antimicrobial Agents and Chemotherapy. Los Angeles, October, 1988.
26. Berg AT, **Shapiro ED**, Capobianco LA: Group daycare attendance as a risk factor for serious infections. Society for Pediatric Research. Washington, D.C., May, 1989.
27. Ikeda MK, **Shapiro ED**: Immunization against *H. influenzae*: Do parents understand its purpose? Society for Pediatric Research. Washington, D.C., May, 1989.
28. **Shapiro ED**: The protective efficacy of *Haemophilus* b polysaccharide vaccine. International Congress of Chemotherapy, Jerusalem, Israel, June, 1989.
29. Gerber MA, **Shapiro ED**, Persing DH, Luger S, Feder HM: Risk of developing Lyme disease after a deer tick bite. Fourth International Conference on Lyme Borreliosis, Stockholm, June, 1990.
30. Katz BZ, Berkman AB, **Shapiro ED**: Serologic evidence of active EBV-associated lymphoproliferation in AIDS. 30th Interscience Conference on Antimicrobial Agents and Chemotherapy. Atlanta, October, 1990.
31. Korones DN, Marshall GS, **Shapiro ED**: Outcome of 70 children with occult bacteremia due to *Haemophilus influenzae* type b. 30th Interscience Conference on Antimicrobial Agents and Chemotherapy. Atlanta, October, 1990.
32. **Shapiro ED**, Austrian R, Berg AT: Protective efficacy of pneumococcal vaccine. 30th Interscience Conference on Antimicrobial Agents and Chemotherapy. Atlanta, October, 1990.
33. **Shapiro ED**, Wald ER: Protective efficacy of PRP-D conjugate vaccine against *Haemophilus influenzae* type b. 30th Interscience Conference on Antimicrobial Agents and Chemotherapy. Atlanta, October, 1990.

34. **Shapiro E**, Gerber M, Persing D, Luger S, Feder H: Risk of developing Lyme disease after a deer tick bite in an endemic area. 30th Interscience Conference on Antimicrobial Agents and Chemotherapy. Atlanta, October, 1990.
35. Shapiro ED, Austrian R, **Berg AT**: Protective efficacy of pneumococcal vaccine. 30th Interscience Conference on Antimicrobial Agents and Chemotherapy. Atlanta, October, 1990.
36. **Shapiro ED**: Validation of the case-control method of assessing a vaccine's efficacy. Society for Pediatric Research. New Orleans, May, 1991.
37. **Shapiro E**, Gerber M, Persing D, Luger S, Feder H: Risk of developing Lyme disease after a deer tick bite in an endemic area. Society for Pediatric Research. New Orleans, May, 1991.
38. Feder HM Jr, Gerber MA, Krause PJ, Sikand V, **Shapiro ED**, Ryan RW: Lyme disease presenting as a flu-like illness without erythema migrans. 31st Interscience Conference on Antimicrobial Agents and Chemotherapy. Chicago, October, 1991.
39. Berg AT, Shinnar S, Hauser WA, Alemany M, **Shapiro ED**, Salamon ME, Crain EF: Predictors of recurrent febrile seizures: A prospective study. American Epilepsy Society, 1991.
40. Feder HM, **Shapiro ED**, Gerber MA, Hunt M: Common problems in the diagnosis and management of Lyme disease. Society for Pediatric Research, Baltimore, May, 1992.
41. **Shapiro ED**, Wald ER, Margolis AG, Ortenzo ME: The decreasing incidence of *Haemophilus influenzae* type b (Hib) disease in both Connecticut and greater Pittsburgh, PA. Society for Pediatric Research, Baltimore, May, 1992.
42. Simpson BJ, Andiman WA, **Shapiro ED**: The risk of HIV-1 infection in children born to HIV-infected women with serial pregnancies. Society for Pediatric Research, Baltimore, May, 1992.
43. Andiman WA, Mezger J, **Shapiro ED**: A prospective study of the risk of invasive bacterial infections in children infected with HIV-1. Society for Pediatric Research, Baltimore, May, 1992.
44. Berg AT, Shinnar S, **Shapiro ED**, Salomon MA, Crain EF, Hauser WA, Alemany M: Antecedents of a first febrile seizure: A matched case-control study. Society for Pediatric Research, Baltimore, May, 1992.
45. **Shapiro ED**, Gerber MA, Persing D, Berg AT, Feder HM: Prevention of Lyme disease: A randomized clinical trial of antimicrobial prophylaxis for people bitten by a deer tick. The Fifth International Conference on Lyme Borreliosis, Arlington, May, 1992.

46. Gerber MA, **Shapiro ED**, Krause PJ, Cable RG, Ryan RW: Risk of acquiring Lyme disease or Babesiosis from a blood transfusion in Connecticut. The Fifth International Conference on Lyme Borreliosis, Arlington, May, 1992.
47. Berg AT, Shinnar S, Hauser WA, Alemany M, **Shapiro ED**, Salomon ME, Crain EF: Predictors of recurrent febrile seizures in a prospectively identified cohort. Society for Epidemiologic Research, Minneapolis, June, 1992.
48. **Shapiro ED**, Austrian R: Bacteremic pneumococcal infections in Connecticut children from 1984-93. Society for Pediatric Research, Washington DC, May, 1993.
49. Gerber MA, **Shapiro ED**, Pediatric Lyme Disease Collaborative Study Group: Lyme disease in children: Clinical epidemiology and response to antibiotic therapy. Society for Pediatric Research, Washington DC, May, 1993.
50. Gerber MA, **Shapiro ED**, Krause PJ, Cable RG, Ryan RW: Risk of acquiring Lyme disease or babesiosis from a blood transfusion in Connecticut. 33rd Interscience Conference on Antimicrobial Agents and Chemotherapy. New Orleans, October 1993.
51. Simpson BJ, Andiman WA, **Shapiro ED**. The risk of HIV-1 infection in children born to HIV-infected women with serial pregnancies. Second International Conference on HIV in Children and Mothers. Edinburgh, Scotland, September, 1993.
52. Keyserling H, Bosley C, Starr S, Watson B, Laufer D, Anderson E, **Shapiro E**, et al. Immunogenicity of pneumococcal type 14 conjugate vaccine in infants. Society for Pediatric Research, Seattle, WA, May, 1994.
53. **Shapiro ED**, Gerber MA, Lyme Disease in Children Study Group. Lyme disease in children. Sixth International Conference on Lyme Borreliosis. Bologna, Italy. June, 1994.
54. Gerber MA, **Shapiro ED**, Krause PJ, Cable RG, Ryan RA. The risk of acquiring Lyme disease or babesiosis from a blood transfusion. Sixth International Conference on Lyme Borreliosis. Bologna, Italy. June, 1994.
55. Zemel LS, Gerber MA, **Shapiro ED**. Lyme arthritis in children: Clinical epidemiology and long-term outcomes. Sixth International Conference on Lyme Borreliosis. Bologna, Italy. June, 1994.
56. Gerber MA, Shapiro ED, Bell G, Sampieri A, Parcels V, Padula SJ. Recombinant Osp C ELISA for the c
57. Zemel LS, Gerber MA, **Shapiro ED**. Lyme arthritis in children: Clinical epidemiology and long-term outcomes. Society for Pediatric Research, San Diego, 1995.
58. Gerber MA, **Shapiro ED**, Pediatric Lyme Disease Collaborative Study Group. Lyme disease in children: A prospective study. Society for Pediatric Research, San Diego, 1995.

59. Seltzer EG, **Shapiro ED**, Gerber MA, Cartter ML: Long-term Outcomes of Persons with Lyme Disease. The Sixth International Conference on Lyme Borreliosis, San Francisco, CA, June, 1996.
  60. Simpson BJ, **Shapiro ED**, Andiman WA. Trends in the risk of vertical transmission, mortality, and AIDS-defining illnesses among children of HIV+ mothers enrolled in a cohort study, 1985-1995. Society for Pediatric Research, Washington, D.C., May, 1996.
  61. **Shapiro ED**, Seltzer EG, Gerber MA, Cartter ML: Long-term outcomes of children with Lyme Disease, Society for Pediatric Research, Washington, D.C., May, 1996
  62. Seltzer EG, Gerber MA, Cartter ML, **Shapiro ED**: Long-term outcomes of persons with Lyme disease. 34th Annual Meeting of the Infectious Diseases Society of America, New Orleans, LA, September, 1996.
  63. **Shapiro ED**, Kaplan SL, Steinhoff MC, Mason EO, Daum RS. Immunogenicity of two conjugate pneumococcal vaccines. Society for Pediatric Research, Washington, D.C., 1997.
  64. Seltzer EG, Gerber MA, Cartter ML, **Shapiro ED**. Long-term outcomes of persons with Lyme disease. 34th Annual Meeting of the Infectious Diseases Society of America, San Francisco, CA, October, 1997..
1. Juhn YJ, **Shapiro E**, McCarthy P, Freudigman K. Unwillingness to care for children with chronic infections in day care centers: Frequency and associated factors. Annual Meeting of the Ambulatory Pediatric Association, New Orleans, LA, May, 1998.
  2. **Shapiro ED**, LaRussa PS, Steinberg SP, Gershon AA. Protective efficacy of varicella vaccine. 35th Annual Meeting of the Infectious Diseases Society of America, San Francisco, CA, October, 1998 (abstract #78)
  3. Vazquez M, Sparrow S, Goudreau D, Catalano A, Klunk J, Davis S, **Shapiro ED**. Long-term outcomes of children with facial nerve palsy due to Lyme disease. Annual meeting of the Eastern Society for Pediatric Research, Atlantic City, NJ, February, 1999.
  4. Vazquez M, Sparrow S, Goudreau D, Catalano A, Klunk J, Davis S, **Shapiro ED**. Long-term outcomes of children with facial nerve palsy due to Lyme disease. Annual meeting of the Society for Pediatric Research, San Francisco, CA, May, 1999.
1. **Shapiro ED**, Vazquez M, LaRussa PS, Steinberg SP, Gershon AA. Protective efficacy of varicella vaccine. 24<sup>th</sup> International Herpesvirus Workshop, Boston, MA, July 1999.
  2. Steinberg SP, LaRussa P, **Shapiro E**, Parcels V, Margolis A, Ly T, Gershon AA. Comparison of direct immunofluorescent antibody and polymerase chain reaction assays for detection of varicella-zoster virus in clinical samples from children with varicella-like rash. 37th Annual Meeting of the Infectious Diseases Society of America, Philadelphia, PA, November, 1999 (abstract #690).

3. **Shapiro ED**, Wormser GP. "Meet-the-Professor Session": Challenges in adult and pediatric Lyme disease. 38<sup>th</sup> Annual Meeting of the Infectious Diseases Society of America. September, 2000. New Orleans, LA.
4. Juhn YJ, St. Sauvier J, **Shapiro ED**, McCarthy P. Assessment of child care program directors' level of asthma knowledge and associated factors. Pediatric Academic Societies Annual Meeting, April 2001, Baltimore, MD. *Pediatr Res* 2001;49:137A (abstract #771).
5. Colson ER, Bergman DM, **Shapiro E**, Leventhal JM. Position for sleep: Association with nursery practices. Pediatric Academic Societies Annual Meeting, April 2001, Baltimore, MD. *Pediatr Res* 2001;49:140A (abstract #788).
6. **Shapiro ED**. Long-term outcomes of persons with Lyme disease. Plenary talk at the 9<sup>th</sup> International Conference on Lyme Borreliosis. New York, New York, August, 2002
7. Vazquez M, Cartter MJ, **Shapiro ED**. Effectiveness of personal protective measures for Lyme disease. Pediatric Academic Societies Annual Meeting, April 2003, Seattle, WA *Pediatr Res* 2003;53:327A (abstract #1866).
8. Vazquez M, Cartter MJ, **Shapiro ED**. Accuracy of reporting of Lyme disease in Connecticut. Pediatric Academic Societies Annual Meeting, April 2003, Seattle, WA *Pediatr Res* 2003;53:327A (abstract #1867).
9. Benin AL, Wisler DJ, Colson E, **Shapiro ED**, Holmboe ES. Mother's perceptions of vaccination of infants. Pediatric Academic Societies Annual Meeting, April 2003, Seattle, WA *Pediatr Res* 2003;53:298A (abstract #1344).
10. Vazquez M, LaRussa PS, **Steinberg SP, Gershon AA, Shapiro ED**. Effectiveness of varicella vaccine after 8 years. 41st Annual Meeting of the Infectious Diseases Society of America, San Diego, CA, October, 2003 (abstract #891).
11. Colson ER, Batten SV, Margolis A, Letourneau A, **Shapiro ED**, Hurd S. Timing and predictors of returning to smoking after pregnancy in a group of inner-city women. Pediatric Academic Societies Annual Meeting, May 2004, San Francisco, CA (abstract #1193)