

Sheldon L. Spector, MD
Bibliography - 1

Papers Published and in Press

CURRICULUM VITAE

SHELDON L. SPECTOR, M. D.

Personal History

Place of birth: Detroit, Michigan
Marital status: Married - Judith
3 Children

Office Address

California Allergy and Asthma Medical Group
11645 Wilshire Blvd., Suite 1155
Los Angeles, CA 90025
(310) 966-9022
Fax: (310) 966-9042

Present Position

Clinical Professor, Department of Medicine
UCLA School of Medicine, Los Angeles, California

Associated with Antelope Valley Allergy Medical Group
41230 11th Street West, Suite A
Palmdale, CA 93551

Consultant for Garrison Family Practice Group
41210 11th Street West, Suite A & C
Palmdale, CA 93551

Consultant for Edralin Pediatrics
1037 West Avenue North, Suite 202
Palmdale, CA 93551

Education

Undergraduate:

University of Michigan - Ann Arbor, Michigan 1956-59
Department of Zoology, University of Michigan 1958-59

Medical:

Summer Fellow, Michigan Heart Association, Wayne State University
School of Medicine, Detroit, MI (Laboratory of Dr. Walter Seegers) 1960
Extern, Highland Park General Hospital, Highland Park, Michigan 1963-64
Wayne State University (M.D.) - Detroit, Michigan *1960-64
*One year spent as USPHS Research Fellow, L'hopital Broussais
Paris, France (Professor B.N.Halpern) 1961-62

Professional Training:

Papers Published and in Press:

Internship:

Medicine: Mount Sinai Hospital, New York, NY 1964-65

Curriculum Vitae – Sheldon Spector, M.D.
Continued – P 2

Education (cont'd)

Residency:

Internal Medicine: Mount Sinai Hospital, New York, NY 1965-66
Research Investigator, Laboratory of Virology & Rickettsiology,
DBS, National Institutes of Health 1966-68
Internal Medicine, Resident II, UCLA, Los Angeles, CA 1968-69

Fellowship:

Allergy & Clinical Immunology, National Jewish Hospital, Denver, CO 1969-71

Military Service

Commissioned Officer, U.S. Public Health Service, Bethesda, MD 1966-68

Specialty Board Certifications

American Board of Internal Medicine, #33977 1971
American Board of Allergy & Immunology, #976 1974
Recertified 1980

Professional Positions Held

1. Mount Sinai Hospital School of Medicine - New York City
Assistant in Medicine 1965-66
2. National Jewish Hospital - Denver, Colorado
Clinical Coordinator, Department of Allergy & Clinical Immunology 1971-72
Head, Section of Allergy & Clinical Immunology 1972-81
Representative to Governing Council - Denver Medical Society 1978-79
Alpha Omega Alpha Society 1979
3. University of Colorado - Denver
Assistant Professor of Medicine 1971-77
Associate Professor of Medicine 1977-81
4. UCLA School of Medicine - Los Angeles, California
Associate Clinical Professor of Medicine 1981-82
Clinical Professor of Medicine 1982-present
5. Diplomate, National Board of Medical Examiners 1965
6. Member, Editorial Board, Internal Medicine for the Specialist 1982
7. Peer Reviewer, Board of Medical Quality Assurance, State of California 1983
8. Member, Editorial Board, Annals of Allergy, Asthma and Immunology 2001-2004
9. Pulmonary/Allergy Drugs Advisory Committee, Food & Drug Administration 1984-88

Papers Published and in Press:

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| 10. | Member, Editorial Advisory Board, <u>Respiratory Review</u> | 1985 |
| 11. | Member, Editorial Board, <u>Journal of Compliance in Health Care</u> | 1985 |
| 12. | Member, Medical Services Review Committee, Los Angeles Co.Med.Assn. | 1987-88 |

Curriculum Vitae – Sheldon Spector, M.D.
Continued – P 3

Professional Positions Held (cont'd)

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| 13. | St. John's Hospital, Santa Monica
Member, Education Committee,
Chairman, Post-Graduate Medical Assembly | 1989
1990 |
| 14. | American Academy of Allergy and Immunology,
Chairman Elect of Interest Section for Asthma,
Rhinitis and Other Respiratory Diseases
Chairman of Interest Section for Asthma,
Rhinitis and Other Respiratory Diseases
Co-Chairman of Task Force on Practice Parameters | 1992-93
1993-94
1993-98 |
| 15. | Member, Editorial Board, <u>Journal of Asthma</u> , | 1993 - present |
| 16. | Alternate Delegate, California Medical Society House of Delegates | 1993-94 |
| 17. | Associate Editor, Consultant and Author
Internal Medicine Alert, American Health Consultants | 1995-present |
| 18. | Medical Advisory Board Member, Allergy and Asthma Network
Mothers of Asthmatics, Inc. | 1985-95 |
| 19. | Member, National Faculty of The Core Content Review of Family Medicine | 1996-present |
| 20. | Co-Editor, The Epitomes, The Western Journal of Medicine | 1997-98 |

Visiting Professorships

The Hebrew University of Jerusalem, Israel	1978
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Honors and Special Lectureships

Lady Davis Post-doctoral Fellow in Allergy, Hebrew University, Israel Original Research Award, William Beaumont Society Wayne State University School of Medicine, Detroit, Michigan President, William Beaumont Society L. E. Smith Lecturer Volunteer Clinical Faculty Award, American Academy of Allergy and Immunology	1977-78 1993
Distinguished Service Award, American College of Allergy and Immunology	1993
Outstanding Alumnus Award, Wayne State University School of Medicine Alumni Association	1994

Papers Published and in Press:

Distinguished Service Award, American Academy of Allergy and Immunology	1994
The Meritorious Service Medal, Colonel, U.S. Army Reserve	1997

Major Scientific Interests

Virology
Allergy and Clinical Immunology, especially research

Curriculum Vitae – Sheldon Spector, M.D.
Continued – P 4

Professional Societies & Committees

1.	American Association for the Advancement of Science: Member	1967
2.	American Academy of Allergy and Immunology	
	Member	1970
	Fellow -	1974-present
	Committee Member:	
	Scientific Exhibits	1972
	Program	1985-86
	Public Education & Program Planning	
	Joint Steering Committee	1985-86
	Co-Chairman: First Refresher Course in Allergy & Immunology	1973
	Chairman: Practice Standards Committee	1989
	Chairman: Task Force on Practice Parameters	1990-1998
3.	American College of Allergy & Immunology (formerly American College of Allergists)	
	Fellow	1980
	Member, Scientific & Education Council	1985-86
	Chairman, Scientific Committee on Pregnancy	1986-87
	Chairman, Education Committee	1989
	Chairman, Pregnancy in Asthma Committee	1989
	Member, Board of Regents	2000-present
	Chairman, Occupational Asthma Committee	2000-present
	Chairman, Professional Education Committee	2000-present
	Executive Board Member	2001-present
4.	American College of Chest Physicians	
	Fellow	1976
	Vice-Chairman,	
	Steering Committee Section on Allergy and Clinical Immunology	1980
	Chairman, Section on Allergy and Clinical Immunology	1981-82
	Chairman, Forum on Infection & Immunology	1982-83
5.	American College of Physicians:	
	Member	1972
	Fellow	1976
6.	American Society of Internal Medicine	
	Member	1972

Papers Published and in Press:

7.	American Thoracic Society Member	1972
	Chairman, Subcommittee, Scientific Assembly on Allergy/Clinical Immunology	1983
8.	Colorado Allergy Society Member	1970
9.	Colorado Medical Society Senior Member	1974

Curriculum Vitae – Sheldon Spector, M.D.
Continued – P 5

Professional Societies and Committees (cont'd)

10.	Denver Medical Society Senior Member	1974
11.	Los Angeles Society of Allergy Member	1982
	Member, Board of Directors	1989
	Secretary-Treasurer	1990
	President	1992
12.	California Medical Association	
13.	California Thoracic Society	
14.	California Society of Allergy & Clinical Immunology Board Member	1993-present
	President	1998-99
15.	American Medical Association: Consultant for AMA Drug Evaluations	1985-86
16.	Medical Advisory Committee to the Poison Control Center	1991-92
17.	The Bay District Pulse: Bay District Officer	1991-92
18.	Indian Academy of Allergy: Honorary Life Member	1992-present
19.	Task Force on Practice Parameters for the AAAAI, ACAAI and Joint Council Chairman	1990-98
	Member	1998-present
20.	American College of Allergy Occupational Asthma Committee Co-Chairman	1999-present
21.	USP Council of Experts Pulmonary Disease and Allergy Expert Committee	2000-present
22.	Advisor, US Pharmacopacia, Pulmonary Division	

Papers Published and in Press:

Present Hospital Affiliations

UCLA - Los Angeles, CA
Cedars Sinai Medical Center - Los Angeles, CA
St. John's - Santa Monica, CA
Daniel Freeman Hospital - Inglewood, CA
Santa Monica UCLA Medical Center – Los Angeles, CA
Barlow Respiratory Hospital - Los Angeles, CA
Brotman Memorial Hospital - Culver City, CA

Licensures

Michigan	1964
New York	1964/69
California #G-014366	1968

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1. Halpern BN, Neveu T, Spector SL: On the nature of the chemical mediators involved in anaphylactic reactions in mice. *Brit J Pharmacol* 1963; 20:389.
2. Tauraso NM, Spector SL, Jahnes WG, Shelokov A: Yellow fever vaccine: I. Development of a vaccine seed from contaminating avian leukosis viruses. *Proc Soc Exp Bio Med* 1968; 127:111-20.
3. Spector SL, Tauraso NM: Yellow fever virus: I. Development and evaluation of a plaque neutralization test. *App Microbiol* 1968; 16:1770-75.
4. Tauraso NM, Spector SL, Kirschstein RL, Seligman EB Jr, Farber JF: Yellow fever vaccine: II. Antigenicity and neurovirulence of a vaccine seed from avian leukosis virus. *App Microbiol* 1969; 17:866-70, 1969.
5. Spector SL, Tauraso NM: Yellow fever virus: II. Factors affecting the plaque neutralization test. *App Microbiol* 1969; 18:736-43.
6. Nossel HL, Niemetz J, Waxman S, Spector SL: Defibrination syndrome in a patient with chronic thrombocytopenic purpura. *Amer J Med* 1969; 46:591-98.
7. Spector SL, Farr RS: Comments on bronchial inhalation provocative tests. *J Allergy Clin Immunol* 1971; 48:120-22.
8. Tauraso NM, Pedreira FA, Spector SL, Bernier GM: Effect of various methods of removing non-specific inhibitors to virus hemagglutination upon serum proteins and immunoglobulins. *Arch fur die gesamet Virusforschung* 1971; 34:214-22.
9. Tauraso NM, Spector SL, Trimmer RW: Yellow fever vaccine: III. Antibody response in monkeys inoculated with a vaccine free from contaminating avian leukosis virus. *Arch fur die gesamet Virusforschung* 1972; 37:1-61.
10. Tauraso NM, Coultrip RL, Legters LJ, Richman AV, Rosenberg DM, Savadge TO, Shelokov A, Spector SL, Trimmer RW: Yellow fever vaccine: IV. Reactogenicity and antibody response in volunteers inoculated with a vaccine free from contaminating avian leukosis virus. *Proc Soc Exp Bio Med* 1972; 139:439-46.
11. Farr RS, Kopetzky MT, Spector SL, Hurewitz DS: Asthma without wheezing. *Chest* 1973; 63:64S-68S.

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12. Kinsman RA, Luparello TJ, O'Banion K, Spector SL: Multidimensional analysis of the subjective symptomatology of asthma. *Psychosom Med* 1973; 35:250-67.
13. Spector SL, English G, McIntosh K, Farr RS: Adenovirus in the sinuses of an asthmatic with apparent selective antibody deficiencies. *Amer J Med* 1973; 55:227-31.
14. Kinsman RA, O'Banion K, Resnikoff P, Luparello TJ, Spector SL: Subjective symptoms of acute asthma with heterogeneous sample of asthmatics. *J Allergy Clin Immunol* 1973; 52:284-96.
15. Spector SL, Farr RS: Bronchial inhalation procedures in asthmatics. *Med Clin North Am* 1974; 58:71-84.
16. Kinsman RA, Spector SL, Shucard DW, Luparello TJ: Observations on patterns of symptomatology of acute asthma. *Psychosom Med* 1974; 36:129.
17. Spector SL, Katz FH, Farr RS: Troleandomycin: Effectiveness in steroid dependent asthma and bronchitis. *J Allergy Clin Immunol* 1974; 54:367-69.
18. Spector SL, Farr RS: A comparison of methacholine and histamine inhalations in asthmatics. *J Allergy Clin Immunol* 1975; 56:308-16.
19. Stein MR, Spector SL: Cardiac response to repeated doses of isoproterenol aerosol. *Ann Int Med* 1975; 83:908-9.
20. Spector SL, Luparello TJ, Kopetzky MT, Souhrada JF, Kinsman RA: Response of asthmatics to methacholine challenge and suggestion. *Am Rev Respir Dis* 1976; 113:43-50.
21. Spector SL, Farr RS: Atopy reconsidered. *Clin Allergy* 1976; 6:83-90.
22. Chai H, Farr RS, Froelich LA, Mathison DA, McLean JS, Rosenthal RR, Sheffer AL II, Spector SL, Townley RG: Standardization of bronchial inhalation challenge procedures. *J Allergy Clin Immunol* 1975; 56:323-27.
23. Spector SL: Modern management of asthma and bronchitis. *Comprehensive Therapy* 1976; 2:26-35.
24. Spector SL, Farr RS: The heterogeneity of asthmatic patients - an individualized approach to diagnosis and treatment. *J Allergy Clin Immunol* 1976; 57:499-511.
25. Hudge DW, Spector SL: Recurrences of pulmonary infiltration with eosinophilia in an asthmatic treated with beclomethasone dipropionate. *Chest* 1977; 72:359-60.
26. Weinberger M, Hudge DW, Spector SL, Chidsey C: Inhibition of theophylline clearance by troleandomycin. *J Allergy Clin Immunol* 1977; 59:228-31.
27. Horton DH, Spector SL: Clinical pulmonary tuberculosis in an asthmatic patient using a steroid aerosol. *Chest* 1977; 71:540-42.
28. Spector SL, Hudson L, Petty TL: Effect of Bronkosol and its components on cardiopulmonary parameters in asthmatic patients. *J Allergy Clin Immunol* 1977; 59:371-76.
29. Spector SL, Garza-Gomez J: Dose-response effects of albuterol aerosol compared with isoproterenol and placebo aerosols. *J Allergy Clin Immunol* 1977; 59:280-86.
30. Kinsman RA, Dahlem NW, Spector SL, Staudenmayer H: Observations on subjective symptomatology, coping behavior and medical decisions in asthma. *Psychosom Med* 1977; 39:102-19.

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31. Dirks JF, Kinsman RA, Jones NF, Spector SL, Davidson PT, Evans NW: Panic fear, a personality dimension related to length of hospitalization in respiratory illness. *J Asthma Research* 1977; 14:61-72.
32. Reich S, Early W, Raven T, Goodman M, Spector S, Stein M: Evaluation of gastropulmonary aspiration by a radioactive technique. *J Nuc Med* 1977; 18:1079-81.
33. Norris DA, Fine R, Weston WL, Spector SL: Monocyte cellular function to asthmatics on alternate day steroid therapy. *J Allergy Clin Immunol* 1978; 61:255-60.
34. Horton DJ, Suda WL, Kinsman RA, Souhrada J, Spector SL: Bronchoconstrictive suggestions in asthma: A role for airways hyperreactivity and emotions. *Am Rev Respir Dis* 1978; 117:1029-38.
35. Simpson DL, Goodman M, Spector SL, Petty TT: Long-term follow-up and bronchial reactivity testing in survivors of the adult respiratory distress syndrome. *Am Rev Respir Dis* 1978; 117:449-54.
36. Spector SL: Effect of beta adrenergic agents on skin test response and bronchial challenge responses. *Chest* 1978 (Suppl); 73S:976-77S.
37. Weinstein AM, Dubin BD, Podlesky WK, Spector SL, Farr RS: Asthma and pregnancy. *JAMA* 1979; 241:1161-65.
38. Spector SL, Staudenmayer H, Kinsman RA, Fukuhara J, Westmoreland C: Methacholine and histamine inhalation challenges in asthma: Relationship to age of onset, length of illness, and pulmonary function. *Allergy* 1979; 34:167-73.
39. Spector SL: Asthma: Current pathophysiologic and therapeutic aspects. *Hospital Medicine* 1979; 15:80-83.
40. Spector SL: Computer oriented characteristics of the asthmatic patient. *International Journal on Tissue Reactions*. 1979, December; 1:No.3-4.
41. Farr RS, Spector SL, Wangaard C: Asthma and non-steroidal anti-inflammatory drugs. *Ann Int Med* 1979; 89:577-78.
42. Staudenmayer H, Kinsman RA, Dirks JF, Spector SL, Wangaard C: Medical outcome in asthmatic patients: Effects of airway hyperreactivity and symptom-focused anxiety. *Psychosom Med* 1979; 41:109-18.
43. Spector SL: Use of provocation techniques for the evaluation of drug efficacy. *J Allergy Clin Immunol* 1979; 64:677-84.
44. Spector SL, Kinsman RA: More implications in reactivity characteristics of asthmatic patients to methacholine and histamine. *J Allergy Clin Immunol* 1979; 64:587-89.
45. Spector SL, Farr RS: Bronchial inhalation challenge with antigen. *J Allergy Clin Immunol* 1979; 64:580-86.
46. Jones LM, Spector SL, English GM, Taylor-Dawson K: Treatment of perennial rhinitis and flunisolide corticosteroid spray. *Ann Allergy* 1979; 42:139-44.
47. Farr RS, Spector SL, Wangaard CH; Evaluation of aspirin and tartrazine idiosyncrasy. *J Allergy Clin Immunol* 1979; 64:667-68.
48. Spector SL, Wangaard CH, Farr RS: Aspirin and concomitant idiosyncrasies in adult asthmatic patients. *J Allergy Clin Immunol* 1979;64:500-06.

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49. Nathan RA, Kinsman RA, Spector SL, Horton DJ: Relationship between airways response to allergens and nonspecific bronchial reactivity. *J Allergy Clin Immunol* 1979; 64:491-99.
50. Spector SL: Management of chronic symptoms in the asthmatic patient. *Hospital Medicine* 1979; 15:16-26.
51. Spector SL: Effect of a selective beta-2 adrenergic agonist and theophylline on skin test reactivity and cardiovascular parameters. *J Allergy Clin Immunol* 1979; 64:23-28.
52. Rosenthal RR, Chai H, Mathison DA, Spector SL, Townley RG: Indications for inhalation challenge. *J Allergy Clin Immunol* 1979; 64:603.
53. Spector SL, English G, Jones L: Clinical and nasal biopsy response to treatment of perennial rhinitis. *J Allergy Clin Immunol* 1980; 66:129-37.
54. Spector SL, Farr RS: Managing asthmatic patients during pregnancy. *J Resp Dis* 1980; 1:55-59.
55. Szeffler SJ, Rose JW, Ellis EF, Spector SL, Green AW, Jusko WJ: The effect of troleandomycin on methylprednisolone elimination. *J Allergy Clin Immunol* 1980; 66:447-51.
56. Smith SC Jr, Spector SL: Cardio-selective beta adrenergic therapy in a patient with asthma and hypertrophic obstructive cardiomyopathy. *Chest* 1981; 80:103-05.
57. Spector SL, Lotan A, English G, Philpot I: Comparison between transillumination in diagnosing paranasal sinus disease. *J Allergy Clin Immunol* 1981; 67:22-26.
58. Spector SL, Morris HG, Selner JC: Clinical responses and serum prostaglandin levels in aspirin idiosyncrasy: Effect of aspirin and a new nonsteroidal anti-inflammatory agent. *Chest* 1981; 80:676-81.
59. Morrill CG, Dickey DW, Weiser PC, Kinsman RA, Chai H, Spector SL: Calibration and stability of standard and MiniWright peak flow meters. *Ann Allergy* 1981; 46:70-73.
60. Spector SL: Tolerance to beta adrenergics and results of rising dose studies of albuterol, isoproterenol and placebo (Case Reports). *Ann Allergy* 1981; 47:394-401.
61. Labovitz E, Spector SL: Placental theophylline transfer in pregnant asthmatics. *JAMA* 1982; 247:786-88.
62. Spector SL, Wangaard C, Bardana EJ Jr: The use of cultures and immunologic procedure to predict oropharyngeal candidiasis in patients on steroid aerosols. *Clin Allergy* 1982; 12:269-78.
63. Szeffler SJ, Ellis EF, Brenner M, Rose JQ, Spector SL, Yurchak AM, Andrews F, Jusko WJ: Steroid-specific and anticonvulsant interaction aspects of troleandomycin-steroid therapy. *J Allergy Clin Immunol* 1982; 69:455-60.
64. Spector SL, Toshener D, Gay I, Rosenman E: Beneficial effects of propylene and polyethylene glycol and saline in the treatment of perennial rhinitis. *Clin Allergy* 1982; 12:187-96.
65. Spector SL: Idiosyncratic reactions to aspirin in adult asthmatics and bronchitics. *Int Med Specialist* 1982; 3:69-75.
66. Spector SL, Labovitz E: Transplacental theophylline transfer. *BronkoScope Curr Concept Pulm Med* 1982; 1:6-7.
67. Phung ND, Kubo RT, Spector SL: Alpha-1-antitrypsin deficiency and common variable hypo-gammaglobulinemia in a patient with asthma. *Chest* 1982; 81:112-15.
68. Spector SL: Oral and inhaled drugs in asthma: A current reappraisal. *Immunol Allergy Prac* 1983; 5:63-70.

Papers Published and in Press:

69. Perry GB, Chai H, Dickey DW, Jones RH, Kinsman RA, Morrill CB, Spector SL, Weiser PC: Effects of particulate air pollution on asthmatics. *Am J Pub Health* 1983; 73:50-54.
70. Klein JJ, Lefkowitz MS, Spector SL, Cherniack RM: Relationship between serum theophylline levels and pulmonary function before and after inhaled beta agonist in "stable" asthmatics. *Am Rev Respir Dis* 1983; 127:413-16.
71. Spector SL: The treatment of the asthmatic mother during pregnancy and labor. *Ann Allergy* 1983; 51:173-78.
72. Arbesman C, Bernstein IL, Bierman CW, Bocles JS, Katz R, Lieberman PL, Mattuci K, Meltzer EO, Middleton E, Noyes J, Pearlman DS, Pence HL, Slavin RG, Spector SL: Multicenter double-blind, placebo-controlled trial of fluocortin butyl in perennial rhinitis. *J Allergy Clin Immunol* 1983; 71:597-603.
73. Nelson HS, Spector SL, Whitsett TL, George RB, Dwek JH: The bronchodilator response to inhalation of increasing doses of aerosolized albuterol. *J Allergy Clin Immunol* 1983; 72:371-75.
74. Spector SL: A comparison between beta agonists and theophylline in the treatment of asthma. *Immunol Allergy Pract* 1984; Vol.VI, #3: 82/91, 17/26.
75. Spector SL: Controversial and unproven techniques. Position statement from the ACCP Section on Allergy and Clinical Immunology. *Chest* 1984; 86:132-33.
76. Spector SL: Bronchial challenge tests: Practical help in asthma. *J Respir Dis* 1984; 5:106-20.
77. Spector SL: The use of corticosteroids in the treatment of asthma. *Chest* 1985; 87:73S-79S.
78. Shucard DW, Spector SL, Euwer BA, Cummins KR, Shucard JL, Friedman A: Central nervous system side effects of antiasthma medication - an EEG study. *Ann Allergy* 1985; 54:177-84.
79. Spector SL: Advances in the treatment of bronchial asthma. *Comprehensive Therapy* 1985; 11:13-20.
80. Spector SL: Advantages and disadvantages of 24-hour theophylline. *J Allergy Clin Immunol* 1985; 76:302-11.
81. Spector SL: Is your asthmatic patient really complying? *Ann Allergy* 1985; 55:552-56.
82. Spector SL: Physiologic changes that occur in response to allergen induced challenge. *Clin Rev Allergy* 1985; 3:463-86.
83. Spector SL: Psychological factors in asthma. *Prac Cardiology* 1986; 12:150-59.
84. Spector SL, Kinsman R, Mawhinney H, Siegel SC, Rachelefsky GS, Katz RM, Rohr AS: Compliance of patients with asthma with an experimental aerosolized medication: Implications for controlled clinical trials. *J Allergy Clin Immunol* 1986; 77:65-70.
85. Rohr AS, Spector SL, Rachelefsky GS, Katz RM, Siegel SC: Efficacy of parenteral albuterol in the treatment of asthma and a comparison of its metabolic side effects with subcutaneous epinephrine. *Chest* 1986; 89:348-51.
86. Katz RM, Rachelefsky GS, Siegel SC, Spector SL, Rohr AS: Twice daily beclomethasone dipropionate in the treatment of childhood asthma. *J Asthma* 1986; 23:1-7.
87. Rachelefsky G, Rohr A, Katz R, Wo J, Gracey V, Spector S, Siegel S, Mickey MR: Sustained-release theophylline preparations in asthmatic children. *Amer J Dis Child* 1986; 140:336-40.

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88. Rachelefsky GS, Wo J, Adelson J, Mickey MR, Spector SL, Katz RM, Siegel SC, Rohr AS: Behavior abnormalities and poor school performance due to oral theophylline usage. *Pediatrics* 1986; 78:1133-38.
89. Rohr AS, Spector SL, Siegel SC, Katz RM, Rachelefsky GS: Correlation between A-mode ultrasound and radiography in the diagnosis of maxillary sinusitis. *J Allergy Clin Immunol* 1986; 78:58-61.
90. Goldsobel A, Siegel SC, Spector SL, Katz RM, Rachelefsky GS, Rohr AS, Drayton G, Indianer L, Peter JB, Barr RJ, Gracey VL: Efficacy of doxepin in the treatment of chronic idiopathic urticaria. *J Allergy Clin Immunol* 1986; 78:867-73.
91. Rachelefsky GS, Rohr AS, Wo J, Gracey V, Spector SL, Siegel SC, Katz RM, Mickey MR: Use of a tube spacer, Aerochamber, to improve the efficacy of a metered dose inhaler in asthmatic children. *Amer J Dis Child* 1986; 140:1191-93.
92. Mawhinney H, Spector SL: Optimum management of asthma in pregnancy. *Drugs* 1986; 32:178-87.
93. Spector SL, Chairperson: Workshop 6: Compliance factors. Report of American Academy of Allergy and Immunology Task Force for Clinical Investigation of Nonbronchodilator Antiasthmatic Drugs. *J Allergy Clin Immunol* 1986 (Suppl); 78:529-33.
94. Spector SL, Perhach JL, Rohr AS, Rachelefsky GS, Katz RM, Siegel SC: Pharmacodynamic evaluation of azelastine in subjects with asthma. *J Allergy Clin Immunol* 1987; 80:75-80.
95. Rohr AS, Siegel SC, Katz RM, Rachelefsky GS, Spector SL, Lanier R: A comparison of inhaled albuterol and cromolyn in the prophylaxis of exercise-induced bronchospasm. *Ann Allergy* 1987; 59:107-09.
96. Spector SL: Adverse reactions associated with parenteral beta agonists, serum potassium changes. *NER Allergy Proc* 1987; 8:317-21.
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98. English GM, Spector S, Farr R, Carr R: Histopathology and immunofluorescent immunoglobulins in asthmatics with aspirin idiosyncrasy. *Arch Otolaryngol Head Neck Surg* 1987; 113:377-79.
99. Kemp JP, Meltzer EO, Orgel A, Welch MJ, Bucholtz GA, Middleton E, Spector SL, Newton JJ, Perhach JL Jr: A dose-response study of the bronchodilator action of azelastine in asthma. *J Allergy Clin Immunol* 1987; 79:893-99.
100. Spector SL, Altman R: Cetirizine, a novel antihistamine. *Amer J Rhinol* 1987; 3:147-49.
101. Rohr AS, Spector SL: Sinusitis: Pathophysiology, diagnosis, and management. *Immunol Allergy Clin No Amer* 1987; 7:383-91.
102. Grant JA, Bernstein DI, Buckley CE, Chu T, Fox RW, Rocklin RE, Schoenwetter WF, Spector SL, Stafford CT, Stroh E Jr, Karpenter KM: Double-blind comparison of terfenadine, chlorpheniramine, and placebo in the treatment of chronic idiopathic urticaria. *J Allergy Clin Immunol* 1988; 81:574-79.
103. Blumenthal MN, Selcow J, Spector SL, Zeiger RS, Mellon M: A multicenter evaluation of the clinical benefits of cromolyn sodium aerosol by metered-dose inhaler in the treatment of asthma. *J Allergy Clin Immunol* 1988; 86:681-87.
104. Spector SL: Bronchial challenge tests: Practical help in asthma. *J Respir Dis* 1988; 9:96-106.

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105. Mawhinney H, Kinsman R, Spector SL: The anxiety of asthma: Helping the patient cope. *J Respir Dis* 1988; 9:39-47.
106. Adelman DC, Spector SL: Update on asthma therapy. *Comprehensive Therapy* 1988; 14:67-74.
107. Rachelefsky GS, Grossman J, Conrad E, Wo J, Kawakami K, Rohr AS, Spector SL, Katz RM, Siegel SC, Ball R, Osur S, Shulan D: Ultraslow release theophylline in the pediatric patient. *Pediatr Asthma Allergy Immunol* 1988; 2:109-115.
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