

CURRICULUM VITAE

NAME N. Franklin Adkinson, Jr., M.D.

DATE OF BIRTH May 18, 1943

CITIZENSHIP United States

MARITAL STATUS Married, two children

EDUCATION

1961 - 1965 University of North Carolina
Chapel Hill, NC
B.A. Highest Honors

1965 - 1969 Johns Hopkins University
School of Medicine - M.D.

1979 - 1984 Johns Hopkins University
Master of Liberal Arts (Honors)

EMPLOYMENT

1969 - 1971 Intern (Straight Medicine) and Asst. Resident
Osler Service
Johns Hopkins University and Hospital
Baltimore, MD

1971 - 1973 Clinical Associate - Immunology Branch
National Cancer Institute
Bethesda, MD

1973 - 1986 Instructor, Asst. Prof. and Assoc. Prof. of Medicine
Johns Hopkins University School of Medicine
Baltimore, MD

1984 Joint Appointment in Subdepartment of Immunology
Johns Hopkins University School of Medicine

1978 Joint Appointment in Environmental Health Sciences
Johns Hopkins University
School of Hygiene and Public Health
Baltimore, MD

1987 Professor of Medicine
Johns Hopkins University School of Medicine
Baltimore, MD

PROFESSIONAL APPOINTMENTS

1973 - Active Staff
Johns Hopkins Hospital
Baltimore, MD

1984 - Physician-in-Charge
Johns Hopkins Hospital Asthma and Allergy Clinics
Baltimore, Maryland

PROFESSIONAL APPOINTMENTS (continued)

- 1989 - Active Staff
Johns Hopkins Bayview Medical Center
Baltimore, MD
- 1990 -1995 Medical Director,
Johns Hopkins Asthma and Allergy Clinical Care Units
Baltimore, MD
- 1991 -1996 Co-Director, Division Allergy and Clinical Immunology
Johns Hopkins University School of Medicine
Baltimore, MD
- 1991 - Training Program Director, Allergy and Immunology
Johns Hopkins Asthma & Allergy Center
Baltimore, MD
- 1992 - Program Director and Chairperson, Advisory Board
Graduate Training Program in Clinical Investigation,
Johns Hopkins University
Baltimore, MD
- 1996-1997 Interim Vice Dean for Research
Johns Hopkins School of Medicine
Baltimore, MD

HONORS AND AWARDS

- Phi Beta Kappa
Phi Eta Sigma
Alpha Epsilon Delta
- 1967 - 1968 Henry S. Dennison Scholarship Award for Research
Johns Hopkins University School of Medicine
Baltimore, MD
- 1974 - 1977 Allergic Diseases Academic Award
National Institute of Allergy and
Infectious Diseases
- 1980 Recipient of the Berson-Yalow Award
Society of Nuclear Medicine Meeting,
October, 1980; Detroit
- 1992 Carl Arbesman Lectureship, American Academy of
Allergy and Immunology; March 1992

PROFESSIONAL SOCIETIES

American Academy of Asthma, Allergy and Immunology (Fellow)
Chairman, Committee on In Vitro Tests 1979-87
Chairman, Postgraduate Education Committee 1984-85
Chairman, Acceptable Diagnostic Tests Subcommittee
of the Practice Standards Council 1990-1993
Board of Directors, 1995-1998
Chair, Food, Drug and Anaphylaxis Interest Section 1997-1999
Chair, Research Council 1997-1999
American Federation for Clinical Research
American Association of Immunologists
American Thoracic Society
Maryland Asthma and Allergy Society
Collegium Internationale Allergologicum
American Society for Clinical Investigation
American Society for Microbiology (Fellow)
Association of Medical Laboratory Immunologists (Fellow)
American Clinical and Climatological Association

PROFESSIONAL CONSULTANCIES

Member, Second Task Force for Research
Planning in Environmental Health Science, NIEHS, 1976

Member, NIAID Task Force on Asthma and the Other
Allergic Diseases, 1978

Review Consultant, "Criteria for a Recommended
Standard of Occupational Exposure to
Diisocyanates, National Institute for
Occupational Safety and Health, 1978

Consultant, National Academy of Sciences study of
the "Human Health Effects of Subtherapeutic
Antibiotic Use in Animal Feeds," 1979

NIH Study Section: Immunological Sciences,
ad hoc appointment October, 1978; regular
term appointment 1979 - 1983

Member and Section Co-chairman, Task Force for
Development of Guidelines for Study of
Nonbronchodilator Anti-asthmatic Drugs, AAAI
and FDA, 1985

NIH Study Section: Allergy and Immunology
Review Committee, 1987 - 1991

Section Co-Chairperson, NIAID Task Force on Future
Directions in Allergy and Immunology 1989-1990.

EDITORIAL APPOINTMENTS

Associate Editor, Journal of Immunology, 1978 - 1982

Associate Editor, International Archives of Allergy
and Applied Immunology, 1979 - 1983

Associate Editor, American Review of Respiratory
Diseases, 1979 - 1983

Editorial Board, Journal of Allergy and Clinical
Immunology, 1981 - 1986

Co-Editor, Allergy: Principles and Practice;
3rd edition (with Middleton, Reed, Ellis,
Yunginger)

Co-Editor, Allergy: Principles and Practice;
4th edition (with Middleton, Reed, Ellis,
Yunginger and Busse)

Managing Editor: Update Series for Allergy:
Principles and Practice; 1989 - 1994

Co-Editor and Managing Editor: Allergy:
Principles and Practice; 5th edition (with
Middleton, Reed, Ellis, Yunginger, and Busse)

Managing Editor: Allergy:
Principles and Practice; 6th edition (with
Yunginger, Busse, Bochner, Holgate, Simons)

PUBLICATIONS

1. Lichtenstein LM, Gewurz H, Adkinson NF Jr, Shin HS, Mergenhausen SE. Interactions of the complement system with endotoxic lipopolysaccharide: the generation of an anaphylatoxin. *Immunol* 1969; 16:327-335.
2. Lichtenstein LM, Adkinson NF Jr. Chlorphenesin: A new inhibitor of IgE-mediated histamine release. *J Immunol* 1969; 103:866-868.

3. Adkinson NF Jr, Thompson WL, Maddrey WC, Lichtenstein LM. Routine use of penicillin skin testing on an inpatient service. *N Engl J Med* 1971; 285:22-24.

4. Dickler HB, Adkinson NF Jr, Terry WD. Evidence for individual human peripheral blood lymphocytes bearing both B and T cell markers. *Nature* 1974; 247:213-215.
5. Dickler HB, Adkinson NF Jr, Terry WD. Lymphocytes in patients with variable immunodeficiency and panhypogammaglobulinemia: Evaluation of B and T cell surface markers and a proposed classification. *J Clin Invest* 1974; 53:834-840.
6. Adkinson NF Jr, Rosenberg SA, Terry WD. Early detection of lymphocyte stimulation and mixed lymphocyte interaction in man with a semimicro protein synthesis assay. *J Immunol* 1974; 112:1426-1434.
7. von Maur K, Adkinson NF Jr, Van Metre TE Jr, Marsh DG, Norman PS. Allergy Rounds: Aspirin intolerance in a family. *J Allergy Clin Immunol* 1974; 54:380-395.

8. Sobotka AK, Valentine, MD, Benton AW, Adkinson NF Jr, Lichtenstein LM. Hymenoptera sensitivity: Diagnostic and therapeutic studies. *Int Arch Allergy Applied Immunol* 1975; 49:115-118.
9. Adkinson NF Jr. Recent developments in the use of RAST for determining hypersensitivity to penicillin. In: R. Evans, III, ed. *Advances in Diagnosis of Allergy: RAST*. Miami, FL: Symposia Specialists, 1975:125-136.
10. von Maur K, Turk A, Stevens MB, Adkinson NF Jr, Lichtenstein LM. Penicillin hypersensitivity in systemic lupus erythematosus. *Int Arch Allergy Appl Immunol* 1975; 49:428-433.
11. Schellenberg RR, Adkinson NF Jr. Measurement of absolute amounts of antigen-specific human IgE by a radioallergosorbent test (RAST) elution technique. *J Immunol* 1975; 115:1577-1583.
12. Adkinson NF Jr. Drug hypersensitivity -- prevention, diagnosis, and management. *Del Med J* 1975; 47:645-654.

13. Sobotka AK, Franklin R, Adkinson NF Jr, Valentine MD, Lichtenstein LM. Allergy to insect stings. II. Phospholipase A: The major allergen in honeybee venom. *J Allergy Clin Immunol* 1976; 57:29-40.
14. Adkinson NF Jr, Lichtenstein LM. Assessment of allergic states: IgE methodology and the measurement of allergen-specific IgG antibody. In: Bach FH, Good RA, eds. *Clinical Immunobiology*, vol. III. New York: Academic Press, Inc., 1976:305-344.
15. Adkinson NF Jr. Role of biochemicals endogenous to the lung. In: Dempsey JA, Reed CE, eds. *Muscular Exercise and the lung*. Madison: University of Wisconsin Press, 1976:211-224.

16. Adkinson NF Jr. Measurement of total serum immunoglobulin E and allergen-specific immunoglobulin E antibody. In: Rose NF, Friedman H, eds, Manual of Clinical Immunology. Washington DC: American Society for Microbiology, 1976:590-602.
17. Adkinson NF Jr. A guide to skin testing for penicillin allergy. *Med Times* 1976; 104:164-169.
18. Adkinson NF Jr. Reactions to contrast media. In: Duffy TP, ed. Problems in Drug Usage. Highlights of the Topics in Clinical Medicine. Baltimore: Johns Hopkins University Press, 1976:11-13.

19. Conroy MC, Adkinson NF Jr, Lichtenstein LM. Measurement of IgE on human basophils: relation to serum IgE and anti-IgE-induced histamine release. *J Immunol* 1977; 118:1317-1321.
20. Adkinson NF Jr. Adverse drug reactions. In: Conn HF, ed. Current Therapy. Philadelphia: W B Saunders Co., 1977:598-602.
21. Adkinson NF Jr. Environmental influences on the immune system and allergic reactions. *Environ Health Perspect* 1977; 20:97-103.
22. Adkinson NF Jr. Prostaglandin production by human peripheral blood cells in vitro. *J Lab Clin Med* 1977; 90:1043-1053.
23. Adkinson NF Jr, Lichtenstein LM. Techniques of assessing the immune response to drugs. In: Bundgaard H, Juul P, Kofod H, eds. Drug design and adverse reactions. Proceedings of the Alfred Benzon Symposium X, New York: Academic Press, 1977:123-140.

24. Kordansky D, Adkinson NF Jr, Norman PS, Rosenthal RR. Asthma improved by nonsteroidal anti-inflammatory drugs. *Ann Intern Med* 1978; 88:508-511.
25. Sobotka AK, Adkinson NF Jr, Valentine MD, Lichtenstein LM. Allergy to insect stings. IV. Diagnosis by radioallergo-sorbent test (RAST). *J Immunol* 1978; 121:2477-2484.
26. Elfenbein GJ, Kallman CH, Tutschka PJ, Adkinson NF Jr, Bias WB, Braine HG, Humphrey RL, Saral R, Mellits ED, Santos GW. The immune system in 40 aplastic anemia patients receiving conventional therapy prior to consideration for allogeneic bone marrow transplantation: Description of functional status. *Transpl Proc* 1978; 8:641-646.
27. Malveaux FJ, Conroy MC, Adkinson NF Jr, Lichtenstein LM. IgE receptors on human basophils: Relationship to serum IgE concentration. *J Clin Invest* 1978; 62:176-181.

28. Schellenberg RR, Adkinson NF. Assessment of the influence of irrelevant IgE on allergic sensitivity to two independent allergens. *J Allergy Clin Immunol* 1979; 63:15-22.
29. Hamilton RG, Sobotka AK, Adkinson NF Jr. Solid phase radioimmunoassay for quantitation of antigen specific IgG in human sera using ¹²⁵I-protein A from *Staphylococcus Aureus*. *J Immunol* 1979; 122:1073-1079.
30. Adkinson NF Jr, Sobotka AK, Lichtenstein LM. Evaluation of the quantity and affinity of human IgG "blocking" antibodies. *J Immunol* 1979; 122:965-972.
31. Conroy MC, Adkinson NF, Lichtenstein LM. Passive sensitization of human basophils: evidence of heterogeneity in the IgE molecule. *Int Arch Allergy Appl Immunol* 1979; 60:106-109.

32. Adkinson NF Jr, Newball H, Findlay S, Adams GK, Lichtenstein LM. Origin of PGF₂ alpha production following anaphylactic challenge of human lung. *Monogr Allergy* 1979; 14:122-125.
33. Eifenbein GJ, Kallman CH, Tutschka PJ, Adkinson NF Jr, Bias WB, Braine HG, Humphrey RL, Saral R, Mellits ED, Santos GW. The immune system in 40 aplastic anemia patients receiving conventional therapy. *Blood* 1979; 53:652-665.

34. Van Metre TE, Adkinson NF Jr, Lichtenstein LM, Mardiney MR, Norman PS, Rosenberg GL, Sobotka AK, Valentine MD. A controlled study of the effectiveness of the Rinkel method of immunotherapy for ragweed pollen hay fever. *J Allergy Clin Immunol* 1980; 65:288-297.
34. Adkinson NF Jr. The radioallergosorbent test: Uses and abuses. *J Allergy Clin Immunol* 1980; 65:1-4.
36. Hamilton RG, Adkinson NF Jr. Quantitation of antigen-specific IgG in human serum: Standardization by a staph A solid phase radioimmunoassay elution technique. *J Immunol* 1980; 124:2966-2971.
37. Adkinson NF Jr, Newball HH, Findlay SR, Adams K, Lichtenstein LM. Anaphylactic release of prostaglandins from human lung in vitro. *Am Rev Resp Dis* 1980; 120:911-920.
38. Hamilton RG and Adkinson NF Jr. Quantitative solid phase radioimmunoassay of allergen-specific IgG. In: Horst W, Wagner HN, Buchanan JW, eds. *Frontiers in Nuclear Medicine*. New York: Springer-Verlag 1980: 309-317.
39. Adkinson NF, Jr. Immunological consequences of antimicrobials in animal feeds. In: *The Effects on Human Health of Subtherapeutic Use of Antimicrobials in Animal Feeds*. Washington, D.C. The National Research Council, National Academy of Sciences, 1980:301-316.
40. Tracey DE, Adkinson NF Jr. Prostaglandin synthesis inhibitors potentiate the BCG-induced augmentation of natural killer cell activity. *J Immunol* 1980; 125:136-141.
41. Adkinson NF Jr. Measurement of total serum immunoglobulin E and allergen-specific immunoglobulin E antibody. In: Rose NR, Friedman H eds. *Manual of Clinical Immunology*, 2nd ed. Washington, DC: American Society for Microbiology, 1980:794-807.
42. Adkinson NF Jr. Tests for immunological drug reactions. In: Rose NR, Friedman H eds. *Manual of Clinical Immunology*, 2nd ed. Washington DC: American Society for Microbiology, 1980:822-828.
43. Norman PS, Ishizaka K, Lichtenstein LM, Adkinson NF Jr. Treatment of ragweed hay fever with urea denatured antigen E. *J Allergy Clin Immunol* 1980; 66:336-341.
44. Hamilton RG, Rendell M, Adkinson NF Jr. Serological analysis of human IgG and IgE anti-insulin antibodies by solid-phase radioimmunoassays. *J Lab Clin Med* 1980; 96:1022-1036.
45. Van Metre TE, Adkinson NF Jr, Amodio FJ, Lichtenstein LM, Mardiney MR, Norman PS, Rosenberg GL, Sobotka AK, Valentine MD. A comparative study of the effectiveness of the Rinkel method and the current standard method of immunotherapy for ragweed pollen hay fever. *J Allergy Clin Immunol* 1980; 66:500-513.

46. Hamilton RG, Adkinson NF Jr. Quantitation of antigen-specific immunoglobulin G in human serum II. Comparison of radioimmunoprecipitation and solid-phase radioimmunoassay techniques for measurement of immunoglobulin G specific for a complex antigen mixture (yellow jacket venom). *J Allergy Clin Immunol* 1981; 67:14-21.

47. Adkinson NF Jr. The radioallergosorbent test in 1981 - limitations and refinements. *J Allergy Clin Immunol* 1981; 67:87-89.
 48. Fish JE, Ankin MG, Adkinson NF Jr, Peterman VI. Indomethacin modification of immediate-type immunologic airway responses in allergic asthmatic and non-asthmatic subjects: evidence for altered arachidonic acid metabolism in asthma. *Am Rev Resp Dis* 1981; 123:609-614.
 49. Rendell M, Hamilton RG, Drew HM, Adkinson NF Jr. Exacerbation of diabetes mellitus by antibodies to exogenous insulin. *Am J Med Sci* 1981; 282:18-26.
 50. Hamilton RG, Hussain R, Ottesen EL, Adkinson NF Jr. The quantitation of parasite-specific IgG and IgE in sera: evaluation of solid-phase RIA and ELISA methodology. *J Immunol Methods* 1981; 44:101-114.
 51. Knauer KA, Lichtenstein LM, Adkinson NF Jr, Fish JE. Platelet activation during antigen-induced airway reactions in asthmatic subjects. *N Eng J Med* 1981; 304:1404-1407.
 52. Renie A, Hamilton RG, Adkinson NF Jr, Rendell MS. Hyberlabile diabetes accompanied by insulin resistance. *Clin Chem* 1981; 27:1463-1464.
 53. Hussain R, Hamilton RG, Kumaraswami N, Adkinson NF Jr, Ottesen EA. IgE responses in human filariasis. I. Quantitation of filariasis-specific IgE. *J Immunol* 1981; 127:1623-1629.
 54. Schulman ES, Newball HH, Demers LM, Fitzpatrick FA, Adkinson NF Jr. Anaphylactic release of thromboxane A₂, prostaglandins D₂, and prostacyclin from human lung parenchyma. *Am Rev Resp Dis* 1981; 124:402-406.
 55. Evans R III, Tang DB, Londono S, Smith LJ, Adkinson NF Jr, et al. Variability in the measurement of specific IgE antibody by the RAST procedure. *J Allergy Clin Immunol* 1981; 69:245-252.
 56. Evans R III, Adkinson NF Jr, et al. A. U.S. reference for human immunoglobulin E. *J Allergy Clin Immunol* 1981; 68:79-82.
 57. Knauer KA, Fish JE, Adkinson NF, Jr., Lichtenstein LM, Peters SP, Newball HH. Platelet activation in antigen-induced bronchoconstriction [letter]. *N Engl J Med* 1981; 305:892-893.
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58. Van Metre TE, Adkinson NF Jr, Amodio FJ, Kagey-Sobotka A, Lichtenstein LM, Mardiney MR, Norman PS, Rosenberg GL. A comparison of immunotherapy schedules for injection treatment of ragweed pollen hayfever. *J Allergy Clin Immunol* 1982; 69:181-193.
 59. Schulman ES, Adkinson NF Jr, Newball HH. Cyclooxygenase metabolites in human lung anaphylaxis: airway vs. parenchyma. *J Appl Physiol* 1982; 53:589-595.
 60. Adkinson NF Jr, Schulman ES, Newball HH. Anaphylactic release of arachidonic acid metabolites from the lung. In: Lenfant C, Newball HH, eds, *Lung Biology in Health and Disease (Immunopharmacology of the Lung)*. New York: Marcel-Dekker, 1982:55-72.
 61. Adkinson NF Jr. Immunotherapy for specific prevention of allergic reactions. In: Goetzl EJ, Kay AB, eds. *Current Perspectives in Allergy*. London: Churchill Livingstone, 1982:169-177.
 62. Hamilton RG, Adkinson NF Jr. Serum IgE antibodies by the radioallergosorbent test (RAST): Diagnosis of IgE-mediated diseases. In: Rabin BS, ed. *Clinical Immunology Check Sample Program*. Chicago: American Society of Clinical Pathologists 1982; 6:1-8.

63. Adkinson NF Jr, Hamilton RG. Assays for human IgG antibodies in complex allergen systems. In: Kemeny DW, Lessof MH, eds. Recent developments in RAST and other solid-phase immunoassay systems. Netherlands: Excerpta Medica, 1982:37-41.
 64. Schleimer RP, MacGlashan DW Jr, Schulman ES, Peters SP, Adams GK III, Adkinson NF Jr, Lichtenstein LM. Mediators of immediate hypersensitivity: Mechanisms of release, and modulation by drugs. In: Morley J, ed. Bronchial Hyperreactivity. New York: Academic Press, 1982: 69-96.
 65. Peters SP, Schleimer RP, Kagey-Sobotka A, Naclerio RM, MacGlashan DW Jr, Schulman ES, Adkinson NF Jr, Lichtenstein LM. The role of prostaglandin D₂ in IgE-mediated reactions in man. Trans Assoc Am Physicians 1982; 95:221-228.
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66. Gurtner GH, Knoblauch A, Smith PL, Sies H, Adkinson NF Jr. Oxidant and lipid induced pulmonary vasoconstrictions mediated by arachidonic acid metabolites. J Appl Physiol 1983; 55:949-954.
 67. Lichtenstein LM, Schleimer RP, Peters SP, Kagey-Sobotka A, Adkinson NF Jr, Adams GK III, Schulman ES, MacGlashan DW Jr. Studies with purified human basophils and mast cells. Monogr Allergy 1983; 18: 259-264.
 68. Knauer KA, Adkinson NF Jr. Clinical significance of IgE. In: Middleton E Jr, Reed CE, Ellis EF, eds. Allergy - Principles and Practice, 2nd ed. St. Louis: C. V. Mosby Company, 1983; 673-688.
 69. Naclerio RM, Meier HL, Adkinson NF Jr, Kagey-Sobotka A, Meyers DA, Norman PS, Lichtenstein LM. In vivo demonstration of inflammatory mediator release following nasal challenge with antigen. Eur J Respir Dis Suppl 1983; 128 (Pt 1):26-32.
 70. Naclerio RM, Mizrahi EA, Adkinson NF Jr. Immunologic observations during desensitization and maintenance of clinical tolerance to penicillin. J Allergy Clin Immunol 1983; 71:294-301.
 71. Adkinson NF Jr. Penicillin allergy. In: Lichtenstein LM, Fauci AS, eds. Current Therapy in Allergy, Immunology and Rheumatology. Ontario, Canada: B.S. Decker, 1983:57-62.
 72. Peters SP, Schulman ES, MacGlashan DW Jr, Schleimer RP, Adams GK III, Kagey-Sobotka A, Adkinson NF Jr, Lichtenstein LM. The use of histamine release from human basophils and mast cells to explore mechanistic and therapeutic aspects of allergic diseases. In: Boström H, Ljungstedt N, eds. Theoretical and Clinical Aspects of Allergic Disease. Stockholm, Sweden: Almqvist and Wiksell International, 1983: 185-194.
 73. Schleimer RP, Schulman ES, MacGlashan DW Jr, Peters SP, Adams GK III, Lichtenstein LM, Adkinson NF Jr. Effects of dexamethasone on mediator release from human lung fragments and purified human lung mast cells. J Clin Invest 1983; 71:1830-1835.
 74. Lichtenstein LM, Norman PS, Kagey-Sobotka A, Adkinson NF Jr, Golden DBK. The immunologic basis for the efficacy of immunotherapy. In: Kerr JW, Ganderton MA, eds. XI International Congress of Allergology and Clinical Immunology. London: The MacMillan Press Ltd. 1983:285-289.
 75. Adkinson NF Jr, Wheeler B. Risk factors for IgE-dependent reactions to penicillin. In: Kerr JW, Ganderton MA, eds. I International Congress of Allergology and Clinical Immunology. London: MacMillan Press Ltd., 1983:55-59.
 76. Adkinson NF Jr, Creticos PS, Norman PS, Mardiney MR, Rosenberg GL, Hamilton RG, et al. Characteristics of human IgE antibody responses in vivo. Monogr Allergy 1983; 18:69-74.
 77. Schulman ES, Kagey-Sobotka A, MacGlashan DW Jr, Adkinson NF Jr, Peters SP, Schleimer RP, Lichtenstein LM. Heterogeneity of human mast cells. J Immunol 1983; 131:1936-1941.

78. Gentlesk MJ, Hamilton RG, Adkinson NF Jr, Mansmann HC Jr. Assessment of venom-specific IgG antibody in patients treated for hymenoptera allergy. *Int Arch Aller Appl Immunol* 1983; 71:233-240.
 79. Naclerio RM, Meier HL, Kagey-Sobotka A, Adkinson NF Jr, Meyers DA, Norman PS, Lichtenstein LM. Mediator release after nasal airway challenge with allergen. *Am Rev Resp Dis* 1983; 128:597-602.
 80. Hamilton RG, Adkinson NF Jr. Quantitation of allergen-specific IgE in serum using the radioallergosorbent test. *J Clin Immunoassay* 1983; 6:147-154.
 81. Hamilton RG, Scott AL, D'Antonio R, Levy DA, Adkinson NF Jr. *Dirofilaria immitis*: performance and standardization of specific antibody immunoassays for filariasis. *Exp Parasitol* 1983; 56:298-313.
 82. Hamilton RG, Adkinson NF Jr. Clinical laboratory methods in allergic disease. *Laboratory Management* 1983; Dec 37-50.
 83. Adkinson NF Jr., Pienkowski MM. Escalating infections versus penicillin allergy. *Hospital Practice* 1983; 18:181-196.
 84. Schleimer RP, MacGlashan DW Jr, Schulman ES, Peters SP, Adams G Kenneth III, Adkinson NF Jr, Lichtenstein LM. Human mast cells and basophils -- structure, function, pharmacology, and biochemistry. *Clin Rev Allergy* 1983; 1:327-341.
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- Naclerio RM, Meier HL, Adkinson NF Jr, Kagey-Sobotka A, Meyers DA, Norman PS, Lichtenstein LM. In vivo demonstration of inflammatory mediator release following nasal challenge with antigen. *Eur J Respir Dis Suppl.* 1983; 128:26-32.
85. Adkinson NF Jr, Swabb EA, Sugerman AA. Immunology of the monobactam aztreonam. *Antimicrob Agents Chemother* 1984; 25:93-97.
 86. Saxon A, Hassner A, Swabb EA, Wheeler B, Adkinson NF Jr. Lack of cross reactivity between aztreonam, a monobactam antibiotic, and penicillin in penicillin-allergic subjects. *J Infect Dis* 1984; 149:16-22.
 87. Hamilton RG, Adkinson NF Jr. Mechanisms of acute allergic reactions. *Artif Organs* 1984; 8:311-317.
 88. Creticos PS, Van Metre TE, Mardiney MR, Rosenberg GL, Norman PS, Adkinson NF Jr. Dose response of IgE and IgG antibodies during ragweed immunotherapy. *J Allergy Clin Immunol* 1984; 73:94-104.
 89. Knauer KA, Kagey-Sobotka A, Adkinson NF Jr, Lichtenstein LM. Platelet augmentation of IgE-dependent histamine release from human basophils and mast cells. *Int Arch Allergy Appl Immunol* 1984; 74:29-35.
 90. Peters SP, MacGlashan DW Jr, Schulman ES, Schleimer RP, Hayes EC, Rokach J, Adkinson NF Jr, Lichtenstein LM. Arachidonic acid metabolism in purified human lung mast cells. *J Immunol* 1984; 132:1972-1979.
 91. Hamilton RG, Hussain R, Alexander E, Adkinson, NF. Limitations of the radioimmunoprecipitation polyethylene glycol assay (RIPEGA) for detection of filarial antigens in serum. *J Immunol Methods* 1984; 68:349-366.

92. Hamilton RG, Adkinson NF Jr. Serological methods in the diagnosis and management of human allergic disease. *Crit Rev Clin Lab Sci* 1984; 21:1-18.
 93. Adkinson, NF Jr. Risks Factors for drug allergy. *J Allergy Clin Immunol* 1984; 74:567-572.
 94. Peters SP, MacGlashan DW Jr, Schleimer RP, Naclerio RM, Proud D, Kazimierczak W, Kagey-Sobotka A, Adkinson NF, Lichtenstein LM. IgE-mediated release of inflammatory mediators from human basophils and mast cells in vitro and in vivo. In: Weissman G, ed. *Advances in Inflammation Research*. New York: Raven Press, 1984:227-241.
 95. Creticos PS, Peters SP, Adkinson NF Jr, Naclerio RM, Hayes EC, Norman PS, Lichtenstein LM. Peptide-leukotriene release after antigen challenge in patients sensitive to ragweed. *N Engl J Med* 1984; 310:1626-1630
 96. Adkinson NF Jr. Diagnosis of immunologic drug reactions. *N Eng Reg Allergy Proc* 1984; 5:104-110.
 97. Adkinson NF Jr. Overseas Observer. *Patient Care*. September 15, 1984.
 98. Schleimer RP, MacGlashan DW, Peters SP, Naclerio R, Proud D, Adkinson NF Jr, Lichtenstein LM. Inflammatory mediators and mechanisms of release from purified human basophils and mast cells. *J Allergy Clin Immunol* 1984; 74:473-481.
 99. Peters SP, Creticos PS, Naclerio RM, Schleimer RP, MacGlashan DW, Adkinson NF Jr, Norman PS, Lichtenstein LM. IgE-mediated leukotriene release in vitro and in vivo. *Trans Assoc Am Physicians* 1984; 97:260-267.
 100. Naclerio RM, Togias A, Proud D, Kagey-Sobotka A, Adkinson NF Jr, Norman PS and Lichtenstein LM. The measurement of inflammatory mediators in nasal secretions: A technique to study the pathophysiology of rhinitis. In: *Proceedings of the First International Academic Conference in Immunology and Immunopathology as applied to Otolaryngology and Rhinology*. Kugler Publications, Utrecht, The Netherlands, April 11-12, 1984.
 101. Adkinson NF Jr, Spence M, Wheeler B. Randomized clinical trial of routine penicillin skin testing. *J Allergy Clin Immunol* 1984; 73:163.
- Adkinson NF Jr. Risk factors for allergy. *J Allergy Clin Immunol* 1984; 74:567-572.
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102. Patterson GA, Rock P, Mitzner WA, Adkinson NF, Sylvester JT. Effects of imidazole and indomethacin on fluid balance in isolated sheep lungs. *J Appl Physiol* 1985; 58: 892-898.
 103. Peters SP, Naclerio RM, Togias A, Schleimer RP, MacGlashan DW, Kagey-Sobotka A, Adkinson NF, Norman PS, Lichtenstein LM. In vitro and in vivo model systems for the study of allergic and inflammatory disorders in man: implications for the pathogenesis of man. *Chest* 1985; 87S:162S-164S.
 104. Bleeker ER, Walden SM, Wagner E, Smith PL, Kagey-Sobotka A, Adkinson NF Jr, Lichtenstein LM, Peters SC. Immunologic and physiologic changes during canine anaphylaxis and asthma. *Chest* 1985; 87:164S-167S.
 105. Farrukh IS, Michael JR, Summer WR, Adkinson NF Jr, Gurtner GH. Thromboxone-induced pulmonary vasoconstriction; involvement of calcium. *J Appl Physiol* 1985; 58:34-44.
 106. Naclerio RM, Proud D, Togias AG, Adkinson NF, Meyers DA, Kagey-Sobotka A, Plaut M, Norman PS, Lichtenstein LM. Inflammatory mediators in late antigen-induced rhinitis. *N Engl J Med* 1985; 313:65-70.

107. Saxon A, Swabb EA, Adkinson NF Jr. Investigation into the immunologic cross-reactivity of aztreonam with other beta-lactam antibiotics. *Am J Med* 1985; 78:19-26.
 108. Naclerio RM, Proud D, Togias AG, Kagey-Sobotka A, Peters SP, Creticos PC, Adkinson NF Jr, Norman PS, Lichtenstein LM. Mediators in nasal secretions of patients with allergic rhinitis. *Immunol Allergy Prac* 1985; 7:212-218.
 109. Hamilton RG, Adkinson NF Jr. Naturally occurring carbohydrate antibodies: interference in solid-phase immunoassays. *J Immunol Methods* 1985; 77:95-108.
 110. Schauf V, Nell P, Ghaey K, Tolpin M, Rathi M, Kontelas B, Adkinson NF Jr. Hypersensitivity to beta-lactam antibiotics in children given penicillin G or placebo at birth. *J. Infect Dis* 1985; 152:1074-1075.
 111. Peters SP, MacGlashan DW, Schleimer RP, Hayes EC, Adkinson NF Jr, Lichtenstein LM. The pharmacologic modulation of the release of arachidonic acid metabolites from purified human lung mast cells. *Am Rev Respir Dis* 1985; 132:367-373.
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