

CURRICULUM VITAE

STUART MERRILL BROOKS, M.D.

**COLLEGE OF PUBLIC HEALTH
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CONTACT INFORMATION

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Citizen: United States

Military Service: US Army; 1965-67

Medical License: Florida:

EDUCATION AND TRAINING

Undergraduate Degree: Bachelor of Science (BS): University of Cincinnati, Cincinnati, Ohio, Zoology 9/54-6/58

Graduate Degree: Medical Doctorate (MD): University of Cincinnati, College of Medicine, Cincinnati, Ohio 6/62

Internship: Cincinnati General Hospital 7/62-6/63

Residency: Internal Medicine: First and Third (Tufts) Medical Services, Boston City Hospital, Boston, Massachusetts 7/63-6/64 and 7/66-6/67

Fellowship: Pulmonary Diseases: National Heart Institute Postdoctoral Trainee Lung Station (Tufts), Boston City Hospital 7/67-6/68.

Clinical Academic Award in Tuberculosis: Tuberculosis Branch, CDC, Associate in Tuberculosis Lung Station (Tufts), Boston City Hospital 6/17/68-6/30/69

Research Fellow in Medicine: Tufts University School of Medicine (Pulmonary Disease) 7/67-6/30/69

UNIVERSITY APPOINTMENTS

1969-1986: University of Cincinnati, Professor and Head, Clinical Studies, Department of Environmental Health & Kettering Laboratory; Professor, Department of Internal Medicine, Division of Pulmonary Diseases, College of Medicine

1986-present: University of South Florida, Professor of Medicine, College of Medicine, Department of Internal Medicine, Divisions of Pulmonary, Critical Care and Occupational Medicine, and Allergy and Clinical Immunology.

2003-present: University of South Florida, Director, Breath Laboratory, College of Public Health

2000-2005: University of South Florida, Deputy Director, Occupational Health Consultation for Small Businesses (OSHA 21(d) Program).

1997-present: University of South Florida, Director, NIOSH Sunshine Education and Research Center (ERC).

1994-present: James Haley Veterans Hospital, Consultant, Occupational Medicine, Tampa, Florida.

1992-present: University of South Florida, Director, Occupational and Environmental Medicine Residency Program, Colleges of Public Health and Medicine.

2001-2005: University of South Florida, Director, OSHA Training Institute Education Center

1998-2001: University of South Florida, Coordinator of Research, NIOSH Deep South Center for Agricultural Safety and Health

1986-1997: University of South Florida, Professor & Chairman, Department of Environmental and Occupational Health, College of Public Health.

1979-1986: University of Cincinnati, Professor of Environmental Health, Head, Division of Clinical Studies, Department of Environmental Health, and Professor of Internal Medicine (Pulmonary Division), College of Medicine.

1976-1978: University of Cincinnati, Coordinator, Mini-Residency Follow-up.

1973-1979: University of Cincinnati, Associate Professor of Medicine and Environmental Health, College of Medicine.

1973-1986: University of Cincinnati, Program Director, Occupational Medicine Residency, NIOSH Education Research Center.

1972-1978: University of Cincinnati, Coordinator, Preventive Medicine Course, Second Year Medical Students.

1970-1973: University of Cincinnati, Assistant Professor of Environmental Health, College of Medicine.

1969-1977: University of Cincinnati, Attending Physician, Department of Medicine, Approximately 1-2 Months Per Year.

1969-1973: University of Cincinnati, Assistant Professor of Medicine, College of Medicine.

CURRENT HOSPITAL APPOINTMENTS

Attending Staff: Tampa General Hospital

Attending Staff: H. Lee Moffitt Cancer Hospital and Research Institute

Attending Physician: James Haley Veterans Administration Hospital

BOARD CERTIFICATION

Certified: American Board of Internal Medicine, June 13, 1969, #28498, Recertified 1978

Certified: Subspecialty Board in Pulmonary Disease, December 5, 1969, #28498

Certified: Subspecialty Board in Occupational Medicine, February 7, 1987, #22199

HONORARY SOCIETIES

Alpha Omega Alpha Honorary Medical Society
Sigma Xi Honorary Society

PROFESSIONAL ACTIVITIES AND HONORS

Professional Excellence Program (PEP) Award, College of Public Health, USF, 2000
Food & Drug Administration, Pulmonary-Allergy Drugs Advisory Committee.
National Heart and Lung Institute, Ad Hoc Committee, Case Control; Studies on Host Factors as Determinant of COPD Susceptibility, 1972.
Counselor at Large, American Thoracic Society 1972-1975.
Fellow of the American College of Chest Physicians,
American College of Chest Physicians-President, Ohio Chapter 1976.
Committee on Aldehydes, National Research Council, Assemble of Life; Sciences, Board on Toxicology and Environmental Health Hazards, National Academy of Sciences 1979.
American Thoracic Society, Vice President 1979-1980.
Occupational Health Committee, American Lung Association 1978-1980.
Committee Pulmonary Toxic Substances, Ohio Thoracic Society 1978-1979.
American Thoracic Society Chairman, Chairman, Scientific Assembly for Occupational and Environmental Health 1982.
American College of Chest Physicians, Chairman, Section on Environmental & Occupational Health 1983.
Chairman, National Institutes of Health Workshop on Strategies for Elucidating the Relationship between Occupation and Chronic Airflow Obstruction, October 2-4, 1985.
National Institute of Health, Epidemiology and Disease Control Study Section Committee, 1984-1986.
National Heart Blood Lung Institute, Parent Committee for Review of Specialized Centers of Research, 1986.
Environmental Health Advisory Committee, Gulf Coast Lung Association, Tampa, Florida
State of Florida, Prevention of Disabilities Advisory Council, 1989
NHLBI-Member, Task Force on Research and Education for the Prevention and Control of Respiratory Diseases; Occupational Health Work Group, 1989
NIH Task Force on Environmental Cancer and Heart and Lung Disease, 1989
State of Florida, Committee on the Health Effects of Bentlate
NIH Task Force on Occupational Disease Prevention-1993
NIH study section, Pulmonary Training Programs, 1994

National Occupational Safety and Health Education Association (NOSHEA)- Chairman elect, 1994/1995

CDC-Health Impact of Chemical Exposures during the Gulf War, Research Committee, 1999

National Center for Research Resources (NCRR), NIH, COBRE Study Section, 2004
Association for University Professionals in Occupational Health & Safety (AUPOHS), President 2005-2006

Record of Research Grants and Funding

RO1HL015907-Steroid Metabolism in Patients with Bronchial Asthma-(NHLBI-01/01/74-06/30/76)

RO1HL022415-Mechanisms Responsible for Disease Severity in Asthma (NHLBI-01/01/78-06/30/81)

RO1ES002849-Mecahnisms of Isocyanate Induced Airway Hyperreactivity (NIEHS-06/01/82-05/31/85)

MO1RR000000068-100021-Effects of Phenobarbital on Adrenal Steroid Metabolism in Asthmatics (NCRR-07/01/73-06/30/76)

MO1RR000000068-Oral Bronchodilator WIN 32,784 for Asthma-(NCRR-07/01/76-06/30/77)

MO1RR000000068-Lead Toxicity-(NCRR-07/01/76-06/30/77)

P10ES000159-Lung perfusion Model for Steroid Metabolism Study-(NIEHS-07/01/73-06/30/74)

P10ES000159-Clinical Studies of Occupational Asthma--(NIEHS-07/01/78-06/30/81)

P10ES000159-Human Studies-Clinical and Epidemiological-(NIEHS-07/01/81-06/30/84)

T01OH00707-Training Grant in Occupational Medicine (NIOSH-07/01/76-06/30/81)

Department of Environmental Protection, State of Florida-Lung Cancer in Woman in Florida (with Dr. Heather Stockwell-07/01/88-06/30/89))

T01OH007220-Long Term Industrial Hygiene Program (NIOSH-08/01/85-07/31/92)

D38AH000012-Accelerated Entry Master's Program for Minority Students (DADHP-07/01/90-06/30/93)

T42412874- Sunshine Education and Research Center (NIOSH-07/01/97-06/30/06)

Cooperative Agreement-OSHA 21(d) Consultation for Small Businesses (Deputy Director, 07/01/00-present)

PROFESSIONAL SOCIETIES

American Thoracic Society, Counselor at Large, 1972-1975

Fellow, American College of Chest Physicians

Fellow, American College of Physicians

Fellow, American College of Preventive Medicine

American College of Chest Physicians-President, Ohio Chapter, 1976

American Thoracic Society, Vice President, 1979-1980

Occupational Health Committee, American Lung Association, 1978-1980
Ohio Thoracic Society, Committee Pulmonary Toxic Substances, 1978-1979
American Thoracic Society Chairman, Chairman, Scientific Assembly for Occupational and Environmental Health, 1982
American College of Chest Physicians, Chairman, Section on Environmental Occupational Health, 1983
Environmental Health Advisory Committee, Gulf Coast Lung Association, Tampa, Florida
Fellow, American College of Chest Physicians
Member, American Thoracic Society
Member, American College of Executive Physicians
Member, American Medical Association
Member, Hillsborough Medical Association
Member, American College of Occupational and Environmental Medicine
Member, Society for Occupational and Environmental Health

EDITORIAL BOARDS

Applied Environmental Science & Public Health (Editorial Board)
Environmental Medicine (previously, Editorial Board)
Pulmonary Clinical Update, previously on Editorial Board
Year Book of Occupational Medicine, Editorial Board, previously on Editorial Board
Journal Occupational and Environmental Medicine (Reviewer)
American Journal Respiratory and Critical Care Medicine (Reviewer)
Chest (Reviewer)
Annals of Internal Medicine (Reviewer)
J. Allergy and Clinical Immunology (Reviewer)
Occupational and Environmental Medicine (Reviewer)
Environmental Health Perspectives (Reviewer)

RESEARCH INTEREST

Reactive airways dysfunction syndrome (RADS)
Non-invasive approaches for detecting acute lung injury
Role of age on the cough reflex
Utilization of exhaled breath nitric oxide and condensates for assessing lung damage
Antioxidant-oxidant defenses against ozone induced pulmonary responses
Use of 3-Dimensional normal bronchial epithelial cell culture model to study occupational asthma
Role of atopy and quiescent asthma in the initiation of irritant-induced asthma and RADS
Role of asthma and aged in the response to particulate air pollutant
Role of age and cough sensitivity as detected by capsaicin challenge

Health effects of mold in indoor environments

Role of reactive molecules and indoor air chemistry in the development of “sick building syndromes”

Host factors for developing respiratory problems from indoor air pollutants

PUBLICATIONS

1. Weiss EB, Faling LJ, **Brooks** SM, Mintz S, Chodosh S, and Segal MS. Bronchial Asthma: Current Concepts in Pathophysiology and Management and Status Asthmaticus. *Modern Treatment* 6(2):278-330, 1969.
2. Weiss EB, Faling LJ, Mintz S, **Brooks** SM, Chodosh S, and Segal MS. Acute respiratory failure in chronic obstructive pulmonary disease. I. Pathophysiology. *Disease-A-Month*. October: 3-37, 1969.
3. Weiss EB, Faling LJ, Mintz S, **Brooks** SM, Chodosh S, and Segal MS. Acute respiratory failure in chronic obstructive pulmonary disease. II. Treatment. *Disease-A-Month*. October: 3-37, 1969.
4. Frantz T, McMurray KD, **Brooks** SM, and Bernstein IL. Clinical Immunological and Physiological Observations in Factory Workers Exposed to B. Subtilis Enzyme Dust. *J Allergy* 47:170. 1971.
5. Johnson RE, and **Brooks** SM. Upper airway obstruction after extubation. *JAMA* 218(1):92-93, 1971.
6. **Brooks** SM, Mintz S, and Weiss EB. Patterns of Responses to Bronchodilator in Patients with Bronchial Asthma. *J Clin and Lab Med* 79(2):267-276, 1972.
7. **Brooks** SM, Werk E, and Ackerman J. Adverse Effects of Phenobarbital on Glucocorticoid Metabolism in Patients with Asthma. *N Engl J Med* 286(21):1125-1128, 1972.
8. **Brooks SM**. Corticosteroids and Phenobarbital in asthma (letter to the editor). *N Engl J Med* 287(4):201, 1972
9. **Brooks SM**, Mintz S, and Weiss E. Changes Occurring after Freon Inhalation. *Am Rev Respir Dis* 105: 640-43, 1972.
10. **Brooks** SM, Lassiter N, and Young E. A Pilot Study Concerning the Infection Risk of Sputum Positive with Tuberculosis Patients on Chemotherapy. *Am Rev Respir Dis* 108(4):799-804, 1973.
11. Litwin A, **Brooks** SM, and Claes F. A Pilot Study Concerning the Immunologic Effects of Rifampin. *Chest* 65(5):548-551, 1974.
12. **Brooks** SM, and Barber MO. Changes in Closing Volume Measurement after Isoproterenol Inhalation. *Am Rev Respir Dis* 109(2):198-204, 1974.
13. Nelson DG, **Brooks** SM, Schwarz J, and Loudon RG. Resected Lung after an Abbreviated Rifampin Regimen. *Am Rev Respir Dis* 110(4):502-507, 1974.
14. Freihofer AF, **Brooks**, SM, Loudon RG, May DB, and Settle HP. Functional Effects of Influenza Pneumonia. *Chest* 66(suppl):36S-37S, 1974.

15. **Brooks SM.** Early Detection of Lung Cancer in High Risk Populations. *J Occup Med* 17(1):19-22, 1975.
16. **Brooks SM,** and Vandervort R. Health Hazard Evaluation Project No. HE74-24-246. Uncle Bills Pick-N-Pay, Meat Wrappers. 1975.
17. **Brooks SM,** and Werk E. Corticosteroid Resistance in Bronchial Asthma. In: *Bronchial Asthma, Mechanisms and Therapeutics.* Little, Brown and Co. p. 785-95. 1976.
18. Maccia CA, Bernstein IL, Emmett EA, and **Brooks SM.** In Vitro Demonstration of Specific IgE in Phthalic Anhydride Hypersensitivity. *Am Rev Respir Dis* 113(5):701-704, 1976.
19. **Brooks SM,** Sholiton LJ, and Altenau P. Effects of Disodium Cromoglycate on Dexamethasone Metabolism. *Am Rev Respir Dis* 114(6):1191-1194, 1976.
20. Thomasino J, Zuroweste E, and **Brooks SM,** Petering HG. Lead, Zinc, and Erythrocyte ALA-D: Relationships in Lead Toxicity. *Arch Environ Health* 32(6): 244-247, 1977.
21. **Brooks SM,** Sholiton LJ, Werk E, and Altenau P. Effects of Ephedrine and Theophylline on Dexamethasone Metabolism in Bronchial Asthma. *J Clin Pharm* 17:308. 1977.
22. **Brooks SM,** Sholiton LJ, Wessel J, and Taylor B. Cortisol Metabolism by the Lung. *Chest* 71(2 suppl):275-279, 1977.
23. **Brooks SM.** Health Hazard Evaluation Project No. HE76-79-80 NIOSH Wood Dust. December 1976.
24. Maccia CA, Gallagher JS, Ataman G, Glueck HI, **Brooks SM,** and Bernstein IL. Platelet Thrombopathy in Asthmatic Patients with Elevated Immunoglobulin E. *J Allergy* 59(2):101-108, 1977.
25. Vandervort R, and **Brooks SM.** Investigation of Polyvinyl Chloride Film Thermal Decomposition Products as an Occupational Illness of Meat Wrappers I. Environmental Exposures and Toxicology. *JOM* 19:188. 1977.
26. **Brooks SM,** and Vandervort R. Investigation of Polyvinyl Chloride Film Thermal Decomposition Products as an Occupational Illness of Meat Wrappers II. Clinical Studies. *JOM* 19:192. 1977.
27. **Brooks SM.** Bronchial Asthma of Occupational Origin. *Scand J Work Env and Hlth* 3:53. 1977.
28. **Brooks SM.** NIOSH No: HE78-66-542, Foundry, and November 1978.
29. Bus J, Vinegar A, and **Brooks SM.** Biochemical and Physiologic Changes in Lungs of Rats Exposed to a Cadmium Chloride Aerosol. *Am Rev Respir Dis* 118:573. 1978.
30. **Brooks SM.** Hypothalamus-Pituitary Adrenal Function in Asthma and the Entity of Steroid Resistance. In: Weiss, EB, Ed. *Status Asthmaticus.* University Park Press, Baltimore p 115. 1978.
31. **Brooks SM.** Lifting the Fog. Editorial. *American Review of Respiratory Disease* 117:987-990. 1978.

32. **Brooks SM**, Zipp T, Barber M, and Carson A. Measurements of Maximal Expiratory Flow Rates in Cigarette Smokers and Nonsmokers Using Gases of High and Low Densities. *Am Rev Respir Dis* 118:75-81. 1978.
33. **Brooks SM**, McGowan K, and Altenau P. Relationship Between Beta-adrenergic Binding in Lymphocytes and Severity of Disease in Asthma. *Chest* 75:232-234. 1979.
34. **Brooks SM**, McGowan K, Bernstein IL, Altenau P, and Peagler J. Relationship between numbers of beta-adrenergic receptors in lymphocytes and disease severity in asthma. *J Allergy and Clin Immunology* 63:6 pp 401-406. 1979.
35. **Brooks SM**, McGowan K, Altenau P. Relationship between beta-adrenergic binding in lymphocyte and severity of disease in asthma. *Chest* 75(2 Suppl):232-283, 1979.
36. **Brooks SM**. Miscellaneous Pneumoconiosis. In: *A Report on Occupational Respiratory Disease*, NIOSH 1979.
37. Smith AB, and **Brooks SM**. Absence of Airway Hyperreactivity to Methacholine in Worker Sensitized to Toluene Diisocyanate (TDI). *JOM* vol. 22 No 5 pp. 327-331. 1980.
38. **Brooks SM**, *et al.* The Effects of Protective Equipment on Styrene Exposure in Workers in the Reinforced Plastic Industry. *Arch Env Hlth* 35:287-94. 1980.
39. Raghuprasad, PK, **Brooks SM**, Litwin A, Edwards JJ, Bernstein IL, and Gallagher, JS. Quillaja Bark (soap bark) Induced Asthma. *J Allergy Clin Immun* 65:285. 1980.
40. **Brooks SM**. Environmental Lung Disease. In: Arthur S. Banner, Ed., *Management of Common Pulmonary Disorders*. Year Book Medical Publishers, Chicago, London, pp 93-100. 1980.
41. Elia VJ, Anderson LA, MacDonald TJ, Carson A, Buncher CR, and **Brooks SM**. Determination of Urinary Mandelic and Phenylglyoxylic Acids in Styrene Exposed Workers and in a Control Population. *Amer Ind Hyg Assoc J* 41(12):922-926, 1980.
42. **Brooks SM**, Anderson L, Emmett E, Carson A, Tsay JY, Elia V, Buncher R, Karbowsky R. The effects of protective equipment on styrene exposure in workers in the reinforced plastics industry. *Arch Environ Health* 35(5): 287-294, 1980.
43. Johnson CL, Bernstein IL, Gallagher JS, Bonventre PF, and **Brooks SM**. Familial Hypersensitivity Pneumonitis Induced by *Bacillus Subtilis*. *Am Rev Respir Dis* 122:339-348, 1980.
44. **Brooks SM**. Health Hazard Evaluation Project, NIOSH No.HHE78-39, Isocyanates. April 1981.
45. **Brooks SM**. Report on Health Effects of Aldehydes. Board on Toxicology and Environmental Health Hazards, National Academy of Science. 1981.
46. **Brooks SM**. Lung Disorders Resulting from the Inhalation of Metals. *Clinics in Chest Medicine*. 2(2): 235-254, 1981.
47. **Brooks SM**. An Approach to Patients Suspected of Having an Occupational Pulmonary Disease. *Clinics in Chest Medicine*. 2(2):171-178, 1981.
48. **Brooks SM**, and Edwards JJ. An Epidemiological Study of Workers Exposed to Western Red Cedar and Other Wood Dusts. *Chest* 80(1 Supp): 30-32, 1981.

49. McKay RT, **Brooks** SM, and Johnson C. Isocyanate-induced Abnormality of Beta Adrenergic Receptor Function. *Chest* 80(1 Supp):61-63, 1981.
50. Gallagher JS, Tse T, **Brooks** SM, Bernstein IL. Diverse Profiles of Immunoreactivity in Toluene Diisocyanate (TDI) Asthma. *J Occup Med* 23: 610. 1981.
51. **Brooks** SM. Pulmonary Anatomy and Physiology. In: Manual of Spirometry in Occupational Medicine, Edward P. Horvath, Jr. (Ed.). US Department of Health and Human Services, Public Health Service, Center for Disease Control, NIOSH Cincinnati, Ohio pp 3-11. November 1981.
52. **Brooks** SM. Assessment of Clinical Changes in Respiratory, Cardiovascular, and Other Systems. *Annals of the American Conference of Governmental Industrial Hygienists*. Vol 3. 1982.
53. **Brooks** SM. The Evaluation of Occupational Airways Disease in the Laboratory and Workplace. *J Allergy and Clin Immunol* 70(1):56-66, 1982.
54. **Brooks** SM. Health Hazard Evaluation Report No. HE81-155, Platinum. May 1982.
55. **Brooks** SM, Ayer H, Discher DP, and Epler GE, et al. Surveillance for Respiratory Hazards. *ATS News* pp. 12-16. Winter 1982.
56. **Brooks** SM; Pulmonary manifestations of vinyl and polyvinyl chloride. *Chest* 81(2): 262-264, 1982.
57. Lybarger JA, Gallagher JS, Pulver DW, Litwin A, **Brooks** SM, and Bernstein IL. Occupational Asthma Induced by Inhalation and Ingestion of Garlic. *J Allergy Clin Immunol* 69:5:448-454. 1982.
58. McKay RT, and **Brooks** SM. Effect of Toluene Diisocyanate on Beta Adrenergic Receptor Function: Biochemical and Physiologic Studies. *Am Rev Respir Dis* 128:50-53. 1983.
59. **Brooks** SM. Bronchial Asthma of Occupational Origin. In: Rom WM, Ed. *Environmental and Occupational Medicine*. Little, Brown and Co. Boston. 1983.
60. McKay RT, and **Brooks** SM. Isocyanate Measurement. Letter to Editor. *Am Ind Hyg Assoc J* (44) B-19-20. May 1983.
61. Lockey JE, **Brooks** SM, Jarabek AM, Khoury PR, McKay RT, Carson A, Morrison JA, Wiot JF, and Spitz HB. Pulmonary Changes after Exposure to Vermiculite Contaminated with Fibrous Tremolite. *Am Rev Respir Dis* 129(6):952-958. 1984.
62. Harber P, Schnur R, Emery J, **Brooks** SM, and Ploy-Song-Sang Y. Statistical "Biases" in Respiratory Disability Determinations. *Am Rev Respir Dis* 28(3):413-18. 1983.
63. Lockey J, Jarabek A, Carson A, McKay R, Harber P, Khoury P, Morrison J, Wiot J, Spitz H, and **Brooks** SM. Pulmonary Hazards of Vermiculite Exposure. In: Health Issue Related to Metal and Nonmetallic Mining. Wagner, WL, and Merchant JA (Eds.) Butterworth Publishers. 1983.
64. Gee JBL, Morgan WK, and **Brooks** SM (Eds.). *Occupational Lung Disease*. Raven Press New York. 1984.

65. McKay RT, and **Brooks** SM. Hyperreactive Airway Smooth Muscle Responsiveness after Inhalation of Toluene Diisocyanate Vapors. *Am Rev Respir Dis* 129:296-300. 1984.
66. Liss GM, Kominsky JR, Gallagher JS, Melius J, **Brooks** SM, and Bernstein IL. Failure of Enzyme Encapsulation to Prevent Sensitization of Workers in the Dry Bleach Industry. *J Allergy Clin Immunol* 73:3:345-348. 1984.
67. **Brooks** SM. Occupational Asthma. In: Weiss EG, Ed. *Bronchial Asthma. Mechanisms and Therapeutics*. Little, Brown and Co., Boston pp 461-493. 1985.
68. Biagini RE, Bernstein IL, Gallagher JS, Moorman WJ, **Brooks**, SM, and Gann PH. Factors Affecting Diverse Reaginic Immune Responses to Platinum and Palladium Metallic Salts. *J Allergy Clin Immunol* 74:794-801. 1984.
69. Kopp SK, McKay RT, Moller DR, Cassedy K, and **Brooks** SM. Asthma and Rhinitis Due to Ethylcyanoacrylate Instant Glue. *Ann Inter Med* 102:613-615. 1985.
70. **Brooks** SM. Occupational Asthma. *Chest* Vol 87S p 218-22. May 1985.
71. **Brooks** SM, Weiss MA, and Bernstein IL. Reactive Airways Dysfunction Syndrome (RADS): Case Reports of Persistent Airways Hyperreactivity after High Level Irritant Exposures. *J Occup Med* 27: No 7. July 1985.
72. **Brooks** SM, Weiss MA, and Bernstein IL. Reactive Airways Dysfunction Syndrome (RADS): Persistent Airways Hyperreactivity after High Level Irritant Exposure. *Chest* 88:376-84. 1985.
73. Moller DR, Baughman R, and **Brooks** SM. New Directions in Occupational Asthma Caused by Small Molecular Weight Compounds. *Seminars in Respiratory Medicine*. Vol 7 No 3 pp 225-39. January 1986. SM Brooks (Guest Editor).
74. Moller, DR, **Brooks** SM, Bernstein DI, Cassedy K, Enrione M, and Bernstein IL. Delayed Anaphylactoid Reaction in a Worker Exposed to Chromium. *J Allergy Clin Immunol*. Vol 77 No 3 pp 451-456. March 1986.
75. Cibulas Jr W, Miller ML, Vinegar A, Schmidt DJ, McKay RT, and **Brooks** SM. Toluene Diisocyanate Induced Airway Hyperreactivity and Pathology in the Guinea Pig. *J Allergy Clin Immunol* Vol 77 No 6 pp. 828-834. 1986.
76. Moller DR, McKay RT, Bernstein IL, and **Brooks** SM. Persistent Airways Disease Caused by Toluene Diisocyanate. *Am Rev Respir Dis* 134:175. 1986.
77. Miller ML, Andringa A, Adams WD, Cibulas B, McKay RT, Vinegar A, and **Brooks** SM. Morphology of the Tracheal and Bronchial Epithelium, and Type II Cells of the Peripheral Lung of the Guinea Pig after Inhalation of Toluene Diisocyanate Vapors. *Exp Lung Res* 11(2):145-63. 1986.
78. Moller DR, McKay RT, Cassedy K, Kopp S, Bernstein IL, and **Brooks** SM. Chronic Asthma Due to Toluene Diisocyanate. *Chest* 90:494-99. 1986.
79. **Brooks** SM, and Murlas C. Occupational Asthma. In: *Current Therapy in Respiratory Medicine*. 1986.
80. The Diagnosis of Nonmalignant Diseases Related to Asbestos. Official Statement of the American Thoracic Society *Am Rev Rep Dis* 134:363-68. 1986.

81. **Brooks SM**, Kalica AR. Strategies for elucidating the relationship between occupational exposures and chronic air-flow obstruction. *Am Rev Respir Dis* 1987; 135:268-273.
82. NHLB workshop summary. Strategies for elucidating the relationship between occupational exposures and chronic airflow obstruction. *Am Rev Respir Dis* 135 (1): 268-273, 1987.
83. Cibulas Jr W, **Brooks SM**, Murlas CG, Miller ML, McKay RT, and Vinegar A. Toluene Diisocyanate-induced Airway Hyperreactivity Occurs in Guinea Pigs Depleted of Granulocytes. *J Appl Physiol* 64:1773-1778. 1988.
83. **Brooks SM**, and Richman SI. Medical and Legal Questions in Occupational Airway Disorders. In: *Legal Aspects of Medicine*, Vevaina J, Bon R, and Judge Kossoff (Eds) Springer-Verlog Publishers, 1989; pp. 291-306. 1989.
84. Richards IS, Kulkarni AP, **Brooks SM**, Lathrop DA, Bremner WF, and Sperelakis N. A Moderate Concentration of Ethanol Alters Cellular Membrane Potential and Decreases Contractile Force of Human Fetal Heart. *Developmental Pharmacology and Therapeutics*. 13:51-56. 1989.
85. Richards IS, Kulkarni AP, and **Brooks SM**. Ethanol-induced Bronchodilatation in TEA-treated Canine Tracheal Smooth Muscle is Mediated by a B-adrenergic Dependent Mechanism. *Europ J Pharmac* 167,155-160, 1989.
86. **Brooks SM**. Occupational Asthma: Pathogenetic Mechanisms. In: *Principles of Health and Safety in Agriculture*. Dosman JA, and Crockcroft DW (Eds) CRC Press, Boca Raton, FL. pp 156-158. 1989.
87. Lemasters GK, Samuels SJ, Morrison JA, **Brooks SM**. Reproductive outcomes of pregnant workers employed at 36 reinforced plastics companies. II. Lowered birth weight. *J Occup Med* 31 (2): 115-120, 1989.
88. **Brooks SM**, Bernstein, IL, Raghuprasad PK, Maccia CA, and Mieczkowski L. Assessment of Airway Hyperresponsiveness in Chronic Stable Asthma. *J Allergy Clin Immunol* 85:17-26. 1990.
89. **Brooks SM**, Baker DB, Gann PH, Jarabek AM, Hertzberg V, Gallagher J, Biagini RE, and Bernstein IL. Cold Air Challenge and Platinum Skin Reactivity in Platinum Refinery Workers. *Chest* 97:1401-1407. 1990.
90. Baker DB, Gann PH, **Brooks SM**, Gallagher J, and Bernstein IL. A Cross-sectional Study of Platinum Salts Sensitization Among Precious Metals Refinery Workers. *Am J Ind Med* 18: 653-664. 1990.
91. Richards IS, Kulkarni AP, **Brooks SM**, and Pierce R. Florida Red-tide Toxins (Brevetoxins) Produce Depolarization of Airways Smooth Muscle. *Toxicon* 28:1105-1111. 1990.
92. Richards IS, Miller L, Solomon D, Kulkarni A, **Brooks SM**, and Sperelakis N. Azelastine Inhibits Acetylcholine-induced Contraction and Depolarization in Human Airway Smooth Muscle. *Europ J of Pharmac* 186: 331-334. 1990
93. Year Book of Occupational and Environmental Medicine. 1990. Emmett EA, **Brooks SM**, Harris RL, and Schenker MB (Eds). Year Book Medical Publishers, Inc. Chicago. 1991.

94. Richards IS, Kulkarni A, and **Brooks SM**. Human Fetal Tracheal Smooth Muscle Produces Spontaneous Electromechanical Oscillations that are Ca²⁺-dependent and Cholinergically-potentiated. *Developmental Pharmacology and Therapeutics*. 16:22-28. 1991.
95. **Brooks SM**. Occupational Asthma. In: Weiss EG (Ed). *Bronchial Asthma Mechanisms and Therapeutics*. Little, Brown and Co. Boston pp. 1992.
96. **Brooks SM**. Bronchial Asthma of Occupational Origin. In: Rom WM (Ed). *Environmental and Occupational Medicine*. Little, Brown and Co Boston pp. 1992.
97. **Brooks SM**. Occupational History and Questionnaire, In: Bone R, Dantzger D, George R, Matthay R, Reynolds H (Eds). *Comprehensive Textbook of Pulmonary Medicine*. Mosby-Year Book, Inc. 1992.
98. Alberts, WM, **Brooks SM**. Advances in Occupational Asthma. In: *Clinics of Chest Medicine*. 13:1-22. 1992.
99. Year Book of Occupational and Environmental Medicine. 1991. Emmett EA, **Brooks SM**, Harris RL, and Schenker MB (Eds). Year Book Medical Publishers, Inc. Chicago. 1992.
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