



CURRICULUM VITAE

WILLIAM S. SILVERS, M.D.

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PERSONAL

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Founder, Allergy Asthma Colorado P.C. 1981- 2016

Clinical Professor of Medicine, University of Colorado School of Medicine

Faculty Affiliate, Center for Bioethics and Humanities,
University of Colorado Anschutz Medical Campus

Chief Scientific Officer, Canna Research Group, 2019-present
www.cannaresearchgroup.net

EDUCATION

DEGREES	1967-1970	Indiana University – Bloomington, Indiana Degree: B.A. – 1971
	1970-1974	Indiana University School of Medicine, Indianapolis, Indiana Degree: M.D. – 1974
INTERNSHIP	1974-1975	Internal Medicine - Grady Memorial Hospital Emory University Affiliated Hospitals, Atlanta, Georgia
RESIDENCY	1975-1977	Junior and Senior Medical Resident - Grady Memorial Hospital Emory University Affiliated Hospitals, Atlanta, Georgia
FELLOWSHIP	1977-1979	Allergy and Clinical Immunology National Jewish Hospital, Denver, Colorado

CERTIFICATION & LICENSURE

BOARD CERTIFICATION Diplomate: American Board of Internal Medicine - 1977, Certificate #60921

Diplomate: American Board of Allergy and Immunology, A conjoint Board of the American Board of Internal Medicine and the American Board of Pediatrics - 1979, Certificate #1986

LICENSURE	1974	Indiana	#25449- inactive
	1975	Georgia	#1743- inactive
	1977	Colorado	#21277- active
	1978	Wyoming	#2723A-inactive

PRIOR POSITIONS

Clinical Professor of Medicine, 2002- present; Division of Allergy & Clinical Immunology
University of Colorado Denver School of Medicine, Denver, COAssociate Clinical Professor, 1991-2002 Division of Allergy & Clinical Immunology
University of Colorado Health Sciences Center, Denver, COAssistant Clinical Professor, 1985-1991 Division of Allergy & Clinical Immunology
University of Colorado Health Sciences Center, Denver, COConsultant Staff, 1986-1998 National Jewish Center for Immunology & Respiratory Medicine,
Denver, CO

Instructor, 1982-1985 University of Colorado Health Sciences Center, Denver, CO

Founding Physician, 1981-2016 Allergy Asthma Colorado, P.C.
(Retired and sold to Colorado Allergy Asthma Centers- 2016)

Emergency Room Physician, 1980-1981 Aspen Valley Hospital, Aspen, CO

Instructor, 1979-1980 Allergy Clinic. Department of Medicine "A"
Hadassah Medical Center, Jerusalem, IsraelResearch Fellow, 1979-1980 Department of Medicine, Research Laboratory for Autoimmune
Disease, Hadassah Medical Center, Jerusalem, Israel**PROFESSIONAL SOCIETY MEMBERSHIPS**

1970	Phi Beta Kappa
1978	American College of Physicians – Fellow 1990
1980	American Academy of Allergy, Asthma & Immunology – Fellow 1988
1981	American College of Allergy, Asthma & Immunology – Fellow 1982
1982	Colorado Medical Society
1982	Colorado Allergy & Asthma Society
1990	American Thoracic Society

1990 American College of Chest Physicians – Fellow
2016 American Society of Bioethics and Humanities

MAJOR SCIENTIFIC INTERESTS

The “Skier’s Nose” - Cold-Induced Rhinitis: Mechanisms and “Novel” Therapeutic Modalities
Exercise - Induced Allergies/Anaphylaxis/Rhinitis; Sports Medicine
Integrative Medicine: Complementary and Alternative Modalities within Traditional Allergy
Medical Cannabis- Allergy and Asthma Correlates, Population Epidemiology Research
Holocaust Genocide Contemporary Bioethics

PROFESSIONAL ACTIVITIES

COLORADO ALLERGY SOCIETY

President, 1988 to 1990
Secretary/Treasurer, 1986 to 1988

COLORADO MEDICAL SOCIETY

Committee on the Environment, 1986 to 1998
Delegate for Colorado Allergy Society, 1989 to 1993

AMERICAN COLLEGE OF ALLERGY, ASTHMA AND IMMUNOLOGY

Public Relations Council, 1988 to 2010
Children’s Asthma Camps, Ad Hoc Committee, Co-founder, 1988
Children’s Asthma Camps Consortium with ACAAI, AAAAI, & ATS, 1989-1995
Committee on Therapeutics, 1984 to 1987
Continuing Medical Education Committee, 1994 to 1997
Committee on Public Education, 1997 to 2000
Committee on Sports Medicine, 2000 to Present, Chair, 2008-2013
ACAAI Board of Regents 2014 to 2017
Integrative Medicine Committee, Co-founder, ~2005 to Present
Task Force on Physician Well-being & Resilience 2017-2018
Task Force on Professional Diversity in Allergy 2019-2021
Ethics Council

AMERICAN ACADEMY OF ALLERGY, ASTHMA AND IMMUNOLOGY

Practice Standards Council, 1988 to 1991
Allied Health Professionals Committee, Member, 1988 to 1992
Remote Practice Subcommittee, Member, 1988 to 1993
Committee on Rehabilitation & Sports Medicine, Subgroup for Asthma Camps, 1988 to 1993
Asthma Camps Subcommittee, Member, 1989 to 1991
Audio-Visual and Media Committee, Member, 1991 to 1994

Quality of Care for Asthma Committee, Member, 1992 to 1999
Remote Practice Committee, Member, 1993
Sports Medicine Committee, Member, 1995 to Present, Vice Chair, 2008 to Present
Rhinitis Committee, Member, 1996 to 1998
Sinusitis Committee, Member, 2001 to 2008
Practice, Diagnostics and Therapeutics Committee, Member, 2001 to 2010
Complementary and Alternative Practices in Allergy Committee, Member, 2006 to Present,
Chair, 2009 to 2012, now the Integrative Medicine Committee.
Cannabis Allergy Discussion Group, working group of Integrative Medicine Committee,
Founding chair 2019

WORLD ALLERGY ORGANIZATION

WAO Special Committee on Sports and Allergy, 2012 to Present, Chair, 2016

ROSE MEDICAL CENTER, Denver, CO

Chief, Division of Allergy & Immunology, Department of Medicine, 1992 to 1994
Continuing Medical Education Committee, 1990 to 1993

BLUE CROSS/BLUE SHIELD OF COLORADO

Medicare Utilization Review Board, Physician Advisor/Medical Reviewer, 1993

AMERICAN LUNG ASSOCIATION OF COLORADO

Medical Director for “Champ Camp”, 1986 to 1988
Volunteer Physician for “Champ Camp”, Numerous Years
Executive Advisory Council, 2007 to 2018

ASTHMA SKI FOUNDATION

Founder, Medical Director for Annual “Asthma/Allergy Ski Day” at Vail/Beaver Creek, 1987 to 1998, Breckenridge, Colorado

Organizer and Director, “Allergy, Asthma, and Sports in the Rockies: A Focus on the Allergic Athlete in Recreation and Competition”. State of the Art Speakers and Interactive Roundtables for Physicians, Parents, and Patients. April 2001, 2000 (CME), 1999, 1998, 1997

Organizer and Director, “The Role of Exercise and Cold Air on the Nose and Lungs”. April, 1996

ALLERGISTS FOR ISRAEL

Founder and Chairman, Endowment Fund, 1984 to 2000
Affiliated with the American Physicians Fellowship for Medicine in Israel, 1997
Advisory Board, 2000 to Present

UNIVERSITY OF DENVER

Center for Judaic Studies, Holocaust Awareness Institute, Board Member, 1987 to Present

BOY SCOUTS OF AMERICA

Chairman, Denver Council Medical Explorers, 1992 to 1994
Eagle Scout Recognition Board- Arapahoe County

ASPEN ALLERGY CONFERENCE

Steering Committee, 2006 to Present

CENTER FOR BIOETHICS & HUMANITIES, UNIVERSITY OF COLORADO DENVER

Holocaust Contemporary Bioethics Program, Founder 2008
Holocaust Genocide Contemporary Bioethics Program, Endowment 2015

ALLIED JEWISH FEDERATION OF COLORADO

Maimonides Society, Co-Chair, 2004 to 2019

MAIMONIDES INSTITUTE OF MEDICINE, ETHICS, AND HOLOCAUST

Steering Committee, 2017

AMERICAN SOCIETY OF BIOETHICS AND HUMANITIES

Holocaust Genocide Contemporary Bioethics Affinity Group, Chair 2020

AWARDS

Community Service Award, Department of Medicine, University of Colorado School of Medicine, 2003

Alumni Hall of Fame, Carmel High School, Carmel, Indiana, 2003

Denver's Top Doctors, 5280 Magazine, Multiple Listings from 1996 onward

Allergists for Israel, American Physicians Fellowship for Medicine in Israel- Nathan Lass Award

American College of Allergy Asthma & Immunology, Bernard A. Berman Memorial Lecturer, 2006

Aspen Allergy Society, John C. Selner Lectureship Award, 2011

PUBLICATIONS

1. Epstein, M., Pins, D.S., Silvers, W.S., et al: "Failure of Water Immersion to Influence Parathyroid Hormone Secretion and Renal Phosphate Handling in Normal Man". *J. Lab. Clin. Med.*, 87:2, pp 218-226, 1976.
2. Sherman, N.A., Morris, H.G., Silvers, W.S., et al: "Divergent Responses to an Oral Adrenergic Bronchodilator." *J. Allergy & Clinical Immunology*, 65:173, 1980.
3. Morris, H.G., Sherman, N.A., Silvers, W.S., et al: "Timed Effects of an Oral Adrenergic Bronchodilator on Pulmonary Function and Measurements of Plasma and Leukocyte Cyclic AMP: Divergence in Duration of Drug Action and Development of Tolerance." *J. Allergy Clinical Immunology*, 71:3, pp 266-276, 1983.
4. Silvers, W.S., Essember, L.J., Williams, P.B., Selner, J.C., Dolen, W.K.: "Anaphylaxis Due to Diclofenac Sodium (Voltaren): Evidence of Mast Cell Mediator Release." *Immunology & Allergy Practice*, 8:5, pp 193-196, 1991.
5. Silvers, W.S., "Skier's Nose: A Model of Cold-Induced Rhinorrhea". *Annals of Allergy*, 67:1, pp 32-36, 1991.
6. Silvers, W.S., "Exercise-Induced Allergies: The Role of Histamine Release." *Annals of Allergy*, 68:1, pp 58-63, 1992.
7. Silvers, W.S., Holbreich, M., Buckley, J.M., et al: "Champ Camp: The Colorado Children's Asthma Camp Experience." *Journal of Asthma*, 29:2, pp 121-135, 1992.
8. Silvers, W.S., LeDoux, R.S., Dolen, W.K., Morrison, M.R., Nelson, H.S., Weber, R.W.: "Aerobiology of the Colorado Rockies: Pollen Count Comparisons between Vail and Denver, Colorado." *Annals of Allergy*, 69:5, pp 421-426, 1992.
9. Silvers, W.S., Cohen, R., D'Alonzo, G., Fishken, D., Lim, J.C., Stokes, A.L., McNally, D.F.: "Comparative Taste Evaluation of Aerosolized Formulations of Triamcinolone Acetonide, Flunisolide, and Flunisolide with Menthol." *Clinical Therapeutics*, 15:6, pp 988-993. 1993.
10. Silvers, W.S., Morrison, M., Weiner, M., "Asthma Ski Day: Cold Air Sports Safe with Peak Flow Monitoring". *Annals of Allergy*, 73:2, pp 105-108, 1994.
11. Fink, J.N., Forman, S., Silvers, W.S., Soifer, M.M., Tashkin, D.P., Wilson A.F. "A Double-Blind Study of the Efficacy of Nedocromil Sodium in the Management of Asthma in Patient Using High Doses of Bronchodilators". *J. Allergy and Clinical Immunology*, 94:3(1), pp 473-481, 1994.

12. Grant, J., Findlay, S., Nicodemus, C.F., Findlay S.R., Glovsky, M., Grossman, J., Kaiser, H., Meltzer, E.O., Mitchell, D.Q., Pearlman, D., Selner, J., Settignano, G., Silvers, W.: “Clinical Aspects of Allergic Disease: Cetirizine in Patients with Seasonal Rhinitis and Concomitant Asthma: Prospective, Randomized, Placebo-controlled Trial.” *J. Allergy and Clinical Immunology*. 95:5(1), pp 923-32, 1995.
13. Banov, C.H., Silvers, W.S., Green, A., et al: “A Double-Blind Study of the Efficacy of Triamcinolone Acetonide Aerosol Nasal Inhaler in Pediatric Patients with Seasonal Allergic Rhinitis.” *Clinical Therapeutics*. 18:2, pp 265-272 March/April 1996.
14. Silvers WS, Levine JS, Poole JA, Naar E, Weber RW; Inlet patch of gastric mucosa in upper esophagus causing chronic cough and vocal cord dysfunction.. *Ann Allergy Asthma Immunol*. 2006 Jan; 96(1):112-5.
15. Silvers WS, Poole JA. Exercise-induced rhinitis: a common disorder that adversely affects allergic and non-allergic athletes, *Ann Allergy Asthma Immunol*. 2006 Feb;96(2):334-40
16. Ivker RS, Silvers WS, Anderson RA. Clinical observations and seven-and-one-half-year follow-up of patients using an integrative holistic approach for treating chronic sinusitis. *Altern Ther Health Med*. 2009 Jan-Feb;15(1):36-43
17. Engler RJ, Silvers WS, Bielory L. Complementary and alternative medicine education: Need for expanded educational resources for American Academy of Allergy, Asthma & Immunology members. *J Allergy Clin Immunol*. 2009 Feb; 123(2):511-2.
18. Weiler JM, Anderson SD, Randolph C, Bonini S, Craig TJ, Pearlman DS, Rundell KW, Silvers WS, Storms WW, Bernstein DI, Blessing-Moore J, Cox L, Khan DA, Lang DM, Nicklas RA, Oppenheimer J, Portnoy JM, Schuller DE, Spector SL, Tilles SA, Wallace D, Henderson W, Schwartz L, Kaufman D, Nsouli T, Shieken L, Rosario N; American Academy of Allergy, Asthma and Immunology; American College of Allergy, Asthma and Immunology; Joint Council of Allergy, Asthma and Immunology. Pathogenesis, prevalence, diagnosis, and management of exercise-induced bronchoconstriction: a practice parameter. *Ann Allergy Asthma Immunol*. 2010 Dec; 105(6 Suppl):S1-47.
19. Weiler JM, Hallstand TS, Parsons JP, Randolph C, Silvers WS, Storms WW, Bronstone A. Improving screening and diagnosis of exercise-induced bronchoconstriction: a call to action. *J Allergy Clin Immunol In Practice*, 2014 May-Jun;2(3):275-280
20. Silvers WS, Bailey HK; Integrative Approach to Allergy and Asthma with Complementary Alternative Medicine Modalities, *Ann Allergy Asthma Immunol* 2014 Apr;112(4):280-5
21. Moreira A, Bonini M, Pawankar R, Anderson S, Carlsen K, Randolph C, Silvers W, Storms W, Weiler J, Bonini S; A World Allergy Organization international survey on physical activity as a treatment option for asthma and allergies, *WAO Journal*, 2014
22. Wynia M, Silvers W, Lazarus J; How do U.S. and Canadian medical schools teach about the role of physicians in the Holocaust? *Acad Med*. 2015 Jun; 90(6):699-700
23. Harvey RP, Poole J, Ziehler K, Silvers W. Cluster allergy injection treatment with multiple antigens: An office-based experience, (submitted 2014)
24. Silvers, WS: A Colorado Allergist’s Experience with Marijuana Legalization. *Ann Allergy Asthma Immunol*. 2016 Feb; 116(2):175-7.
25. Weiler JM, Brannan JD, Randolph CC, Hallstrand TS, Parsons J, Silvers W, Storms W et al. Exercise-induced bronchoconstriction. *J Allergy Clin Immunol*. 2016. Sept 15. Pii: S0091-6749(16)30534-6. doi: 10.1016/j.jaci.2016.05.029
26. Silvers WS, Bernard T: The Spectrum and Prevalence of Reactions to Marijuana in a Colorado Allergy Practice. *Ann Allergy Asthma Immunol*. Dec 2017; 119:570-71
27. George M, Avila M, Speranger T, Bailey HK, Silvers WS: Conducting an Integrative Health Interview (Complementary and Alternative Practice in Allergy Committee Workgroup Report). [J Allergy Clin Immunol Pract.](#), 2018 Mar - Apr;6(2):436-439
28. Bonini M, Silvers W. Exercise-Induced Bronchoconstriction: Background, Prevalence and Sport Considerations. *Immunology and Allergy Clinics of North America*. March 2018.
29. Silvers WS; “Allergic Reactions to Legalized Marijuana Use in Colorado”, *Int’l Jnl of Mental Health & Addiction*. 2018: <https://doi.org/10.1007/s11469-018-9924-6>
30. Zeiger JS, Silvers WS, Fleegler EM, Zeiger RS (2019) Cannabis use in active athletes: Behaviors related to subjective effects. *PLoS ONE* 14(6): e0218998. <https://doi.org/10.1371/journal.pone.0218998>
31. Zeiger JS, Silvers WS, Fleegler EM, Zeiger RS (2019) Age related differences in cannabis use and subjective effects in a large population-based survey of adult athletes. *Jnl Cannabis Research*. Vol 1, Article 6, 2019.
32. Levine, M., Wynia, M., Himer, M., & Silvers, W. (2019). Pertinent Today: What Contemporary Lessons Should be Taught by Studying Physician Participation in the Holocaust?. *Conatus*, 4(2), 287-302. doi:<http://dx.doi.org/10.12681/cj.20995>

33. Zeiger JS, Silvers WS, Fleegler EM, Zeiger RS. (2020) Attitudes about Cannabis Mediate the Relationship between Cannabis Knowledge and Use in Active Adult Athletes. *Journal of Cannabis Research*. 2: 18. <https://doi.org/10.1186/s42238-020-00023-3>
34. Sussman G, Beezhold D, Cohn, Silvers W, Zeiger J, Nayak A. Cannabis: An Emerging Occupational Allergen? *Annals of Work Exposures and Health*, wxaa043, <https://doi.org/10.1093/annweh/wxaa043>, 23 April 2020
35. Wynia MK, Silvers WS: A call to commemorate International Holocaust Remembrance Day, January 27, in all health science schools, *AMA Jnl of Ethics*, submitted February 2020
36. Silvers, WS, Wynia MK, Himer M, Levine: Holocaust Genocide Contemporary Bioethics in the Education of Health Professionals: Key Challenges, Lessons for Today, and Suggested Learning Objectives. *AMA Jnl of Ethics* submitted Feb 2020
- 37.

CHAPTERS

38. Lindzon, R.L., Silvers, W.S., “Anaphylaxis”. *Emergency Medicine Concepts and Clinical Practice*, 2nd edition, Rosen, P., et al., editors. C.V. Mosby Company, St. Louis, MO. pp 203-231, 1988.
39. Lindzon, R.L., Silvers, W.S., “Allergy, Hypersensitivity, and Anaphylaxis.” *Emergency Medicine Concepts and Clinical Practice*, 3rd edition, Rosen, P., et al., editors. C.V. Mosby Company, St. Louis, MO. pp. 1042-1059, 1992.
40. Silvers, W.S., “Skiing and Other Winter Sports”. *Allergic and Respiratory Disease in Sports Medicine*, Weiler, J.W., editor. Marcel Dekker, Inc. New York. pp 345-351, 1997.
41. Peter, M.M., Silvers, W.S., Thompson, F.L., et al. “Case Studies of Asthma in Elite and World-class Athletes: The Roles of the Athletic Trainer and Physician”. *Allergic and Respiratory Disease in Sports Medicine*. Weiler, J.W., editor. Marcel Dekker, Inc., New York. pp 353-366, 1997.
42. Muelleman, R.L., Lindzon, R.L., Silvers, W.S., “Allergy, Hypersensitivity and Anaphylaxis”. *Emergency Medicine: Concepts and Clinical Practice*, 4th edition, Rosen, P., et al., editors. C.V. Mosby Company, St. Louis, MO. pp 2759-2776, 1998.
43. Silvers, W.S., “Allergic Rhinitis”. *Integrative Medicine*. Rakel, D., editor. Harcourt Health Sciences, W.B. Saunders Company, Philadelphia PA. pp 217-223, 2003.
44. Silvers W, .Bailey H, Figa S. Chapter: Integrative allergy and asthma. Pages:412-421. *Textbook of allergy for the clinician*. Editors: Vedanthan, Nelson, Agashe, Katial, Mahesh .Published by CRC press, Taylor & Francis group, Boca Raton. Florida 33847, 2014

ABSTRACTS

1. Silvers, W.S., Hall, W.D., Haynes, R.L.: “Blood Pressure in Acute Asthma” *Chest* 72:412, 1977.
2. Morris, H.G., Sherman, N.A., Silvers, W.S.: “Radioimmunoassay of Thromboxane B2 in Plasma of Normal and Asthmatic Subjects.” *International Prostaglandin Conference*, May 1979.
3. Morris, H.G., Sherman, N.S., Silvers, W.S., et al: “Timed Effect of an Oral Adrenergic Bronchodilator on Plasma and Leukocyte Cyclic AMP.” *Advances in Cyclic Nucleotide Research* 12, 1979.
4. Silvers, W.S., Nathan, R.A., Spector, S.L.: “The Influence of Aminophylline on Cardiac Rate and Rhythm in Asthmatic and Normal Subjects.” *Tenth International Congress on Allergy*. Jerusalem, Israel. November 1979.
5. Sherman, N.A, Morris, H.G., Silvers, W.S., et al: “Plasma and Serum Prostaglandins in Patients with Asthma.” *J. Allergy & Clinical Immunology*. March 1980.
6. Sherman, N.A., Morris, H.G., Silvers, W.S.: “Divergent Responses to an Oral Adrenergic Bronchodilator.” *J. Allergy & Clinical Immunology*. 65:3 p173, 1981.

7. Lutsky, I., Bar-Sela, S., Silvers, W.S., et al: "Occupationally Related Hypersensitivity Disease: A Pilot Study of Symptomatic Poultry Farmers in Israel." *International College of Chest Physicians*. Tel Aviv, Israel. June 1981.
8. Lutsky, I., Bar-Sela, S., Silvers, W.S., et al: "Allergic Respiratory Diseases in Poultry Farmers." *American Academy of Allergy*. Montreal, Canada. March 1982.
9. Sherman, N.A., Morris, H.G., Silvers, W.S.: "Influence of Pulmonary Dysfunction on Plasma Prostaglandins and Thromboxane." *American Academy of Allergy*. Montreal, Canada. March 1982.
10. Errington, G.W., Mekori, Y.A., Silvers, W.S., Schocket, A.L.: "Altered Mast Cell Threshold in Exercise-Induced Anaphylaxis." *American Academy of Allergy and Immunology*. New York, New York. March 1985.
11. Silvers, W.S.: "The 'Skier's Nose'." *American College of Allergists, Annual Congress*. Phoenix, Arizona. January 1986.
12. Silvers, W.S.: "The 'Skier's Nose'— an *In Vivo* Model for Cold-Induced Upper Airway Hyper-reactivity." *European College of Chest Physicians*. Tel Aviv, Israel. June, 1986.
13. Silvers, W.S., Weber, R.W., LeDoux, B.S., et al: "Aerobiology of the Colorado Rockies: Pollen Patter comparison of Denver and Vail" *American College of Allergists, Annual Congress*. Las Vegas, Nevada. January 1987.
14. Silvers, W.S., Weber, R.W., LeDoux, B.S., et al: "Paradise Lost: Pollen Counts of Aspen, Vail and Denver." *Aspen Allergy Conference*, Aspen, Colorado. July 1987.
15. Silvers, W.S., Holbreich, M., Buckley, J.M., et al.: "Champ Camp': the Colorado Children's Asthma Camp Experience" *American College of Allergy and Immunology, Annual Congress*. Boston, Massachusetts. November, 1987.
16. Silvers, W.S., Weiner, M.B., Wood, C.C., Paluck, E., et al.: "The 'Skier's Nose': A Randomized Double-blind Placebo-Controlled Study of Ipratropium Bromide (Atrovent), Administered Intranasally for the Prevention of Cold-Induced Rhinorrhea (CIR)." *American Academy of Allergy and Immunology, Annual Meeting*. Anaheim, California. March 1988.
17. Jarmoszuki, A., Blumenthal, M., Silvers, W.S., Aaronson, D., et al.: "Nedocromil Sodium 2% ophthalmic solution in the Treatment of Ragweed Seasonal Allergic Conjunctivitis." *American Academy of Allergy and Immunology, Annual Meeting*. Anaheim California. March 1988.
18. Silvers, W.S., Wolk, M.: "Asthma Ski Day" *Annals of Allergy*, Vol 64. P 107. 1990.
19. Silvers, W.S., Weiner, M.B.: "The 'Skier's Nose': Cold-Induced Rhinorrhea Influenced by Topical Anticholinergics." *Trans-Pacific Allergy and Immunology Society*. Hawaii. January, 1990.
20. Silvers, W.S., Lutsky, B.N., Mooney, J.J., Weiner, M.B.: "Rhinitis Medicamentosa': Topical Nasal Decongestants Evaluated Objectively." (abstract) *Aspen Allergy Conference*. Aspen, Colorado. July 1990.
21. Silvers, W.S., Lutsky, B.N., Mooney, J.J., Shapiro, H., Lezotte, D., Weiner, M.B.: "Topical Nasal Decongestants (TNDs) Evaluated Using Rhinoscopy (RS) and Rhinomanometry (RMM): SCH 40054 Vs Oxymetazoline" *American College of Allergy and Immunology, Annual Congress*. San Francisco, California. November 1990.
22. Silvers, W.S., Essember, L.J., Williams, P.B., Selner, J.C., Dolen, W.K.: "Anaphylaxis due to Diclofenac Sodium (Voltaren): Evidence for Mast Cell Mediator Release." *American College of Allergy and Immunology, Annual Congress*. San Francisco, California. November 1990.
23. Silvers, W.S., Morrison, MR., Wiener, M.B.: "the 'Skier's Nose': Evaluation of Terfenadine in Cold-Induced Rhinorrhea (CIR)." *Annals of Allergy*. Vol 68, p 87. 1992
24. Silvers, W.S., Morrison, M.R., Benninger, M.S.: "Exercise-Induced Rhinitis (EIR): A Population Survey." *J. Allergy and Clinical Immunology*. 89:305,1992.
25. Silvers, W.S., Morrison, M.R., Wiener, M.B., Shapiro, H.: "Asthma Ski Day: Cold Air Sports Safe with Peak Flow Meter Monitoring." *Annals of Allergy*, 70:75, 1993.
26. Silvers, W.S., Weiner, M.B., Feiss, G, Smith, J.: "Inhaled Corticosteroid (IC) Withdrawal in Patients with Moderate Asthma: The Time, Course, and Effective IC Doses for Reversal of an Induced Exacerbation." *J. Allergy and Clinical Immunology*, 91:164. 1993.
27. Silvers, W, Stevenson, L., Hutcheson-Tipton, D., Laronn, C.: "Experience with a Clinical Nutritionist in a Private Allergy Practice." *Presented at VIII International Food Allergy Symposium, Annals of Allergy*, July 10, 1993.
28. Silvers, W.S., Cohen, R., D'Alonzo, Jr., Egan, E., Fishken, D., Lim, J., Marsh, L., Wiener, M.: "A Taste Evaluation of Azmacort Vs Aerobid and Aerobid M." *Annals of Allergy*, 72:87, 1994.
29. Silvers, W.S.: "The 'Skier's Nose': The Pediatric Experience." *Annals of Allergy*. 74:100, 1995.
30. Welch, M., Silvers, W.S., Smith, J., Bagchi, P., Wrehle, L., Caluchie, L., Levy, S.: "Clinical Dose Response Study of Azmacort HFA-134a in Adult Asthmatics." *J. of Allergy and Clinical Immunology*, 99:1, p S323. January 1997.
31. Weinstein, S., Galant, S., Silvers, W., Lanier, B., Grossman, J., Brown, A., Hamedani, A, House, K., Clements, D., Harding, S.: "Inhaled Fluticasone Propionate Dry Powder Administered Either Once Daily or Twice Daily Via the Diskus is Safe and Effective to Pediatric Patients with Chronic Asthma." *J. of Allergy and Clinical Immunology*, 99:1, p S322, January 1997.
32. Silvers, W., Kraemer, M., Walton-Bowen, K., Cruz-Rivera, M.: "The Efficacy of Budesonide Nebulizing Suspension (BNS: Pulmicort Respules), Compared to Placebo (PBO) in Young Asthmatic Children Previously Using Inhaled Glucocorticosteroids (iGCS)." *J. of Allergy and Clinical Immunology*, 101:1, p S5. January 1998.

34. Silvers, W.S., Graham, P.H., Riddle, J.M.: “Alternative Medicine Questionnaire in a Private Allergy/Asthma Practice.” *J. of Allergy and Clinical Immunology*, 103:1, p 308, 1999.
35. O’Connell, M, Silvers, W.: “Malic Acid Food Hypersensitivity.” *J. of Allergy and Clinical Immunology*, 105:1, p S137. 2000
36. Silvers, W.S., Ivker, R.S., Kirkpatrick, C.H.: “Assessing the Therapeutic Benefit of a Holistic Integrative Medical Approach to Treating Chronic Sinusitis.” *Annals of Allergy, Asthma, and Immunology*. 86:1 pg 132. 2000
37. Silvers, W.S., Levine, J.S., Weber, R.W. “Chronic Cough and Vocal Cord Dysfunction (VCD) Related to Chronic Rhinitis and not Gastroesophageal Reflux (GER), but due to Inlet Patch (IP) of Acid Secreting Heterotopic Gastric Mucosa Below the Upper Esophageal Sphincter (UES). *J. of Allergy and Clinical Immunology*, 111:2, pS295. 2003
38. O’Connell, M.A., Silvers, W.S., Engler, R.J., “Delayed Pressure Urticaria Successfully Controlled with Sulfasalazine.” *International Congress of Allergology and Immunology*, Vancouver, B.C., Canada. Sept 2003
39. Silvers, WS, “A Colorado Allergist’s Experience with Legalized Marijuana: Concerns beyond Cannabis Sativa.” *Aspen Allergy Conference*, July 2016
40. Silvers WS, Beaudry, KK, Harvey, RP. Complementary and Alternative Medicine Trends for Allergy and Asthma: Results of a Follow-up Questionnaire 1998-2004. *Ann Allergy Asthma Immunol*. 2004; 93(5 Supplement).
41. Silvers, WS. Legalized Marijuana- Medical and Recreational- in the USA: Concerns beyond Cannabis Sativa. *World Allergy Organization International Scientific Conference*, Jerusalem, Israel. December 2016.
42. Silvers, WS. The Spectrum and Incidence of Reactions to Marijuana in a Colorado Allergy Practice, *American Academy of Allergy Asthma Immunology*, Atlanta, GA, March 2017
43. Silvers WS, Bernard TM: The Spectrum and Incidence of Reactions to Marijuana in a Colorado Allergy Practice. *Aspen Lung Conference*, Aspen CO. June 2017
44. Silvers WS, Bernard TM, Bailey HK: The Spectrum and Incidence of Reactions to Marijuana in a Colorado Allergy Practice. *Aspen Allergy Conference*, Aspen CO. July 2011.
45. Cannabis Sativa: A Look at Allergic Reactions to Marijuana since Legalization in Colorado. *Health Implications Of Marijuana Use: The Colorado Experience For Informed Decision-Making In Israel*. Ben Gurion University of the Negev. January 2018
46. Silvers, WS, Wynia, MK: Holocaust Genocide Contemporary Bioethics in medical education: Four key challenges. *UNESCO 13th World Conference on Bioethics, Medical Ethics & Health Law*, Jerusalem, Israel, November 2018.
47. Miller, SM, Silvers, WS: Medical Experimentation During and After World War 2, *UNESCO 13th World Conference on Bioethics, Medical Ethics & Health Law*, Jerusalem, Israel, November 2018
48. Silvers, WS, Cannabis as an Emerging Allergen in Allergic Rhinitis and Asthma, *Israel Assn of Allergy Clinical Immunology*, Jerusalem, Israel. November, 2018
49. Silvers, WS, Rabinowitch, N. Cannabis Sativa Exposure and Sensitization: Relationship to Asthma, Dermatitis, and Food Allergy. *Institute of Cannabis Research*, Pueblo, CO March 2019
50. Zeiger JS, Silvers WS, Fleegler EM, Zeiger RS: Cannabis Use for Pain in a large population-based survey of adult athletes. *Institute of Cannabis Research*. Pueblo, CO March 2019
51. Zeiger JS, Silvers WS, Fleegler EM, Zeiger RS: Cannabinoid Use in a Population Based Survey of Adult Athletes. *Int’l Cannabinoid Research Society*, Bethesda, MD, June 2019
52. **S. C. R. Lo¹, M. Abbaslou², K. F. Abbas², D. Kobric², W. Silvers³, G. Sussman⁴. Cannabis Hypersensitivity Prevalence and Presentation – A Survey-based Study of an Allergic Adult Population in a Toronto Clinic at Onset of Canadian Legalization of Recreational Marijuana**. *Am Acad Allergy Asthma Immunol*. Philadelphia, PA. March 2020

RECENT PRESENTATIONS

1. Co-presenter “Cold-Air Rhinitis and Other Non-allergic Rhinitis Syndromes.” Presented at AAAAI Annual Meeting, March, 1996.
2. Co-presenter “Cold-Air Rhinitis and Other Nonallergic Rhinitis Syndromes.” Presented at AAAAI Annual Meeting, March, 1997.
3. Co-presenter, “Assessing the Therapeutic Benefit of a Holistic Integrative Medical Approach to Treating Chronic Sinusitis.” Presented at ACAAI Annual meeting, November, 2000.
4. Co-presenter “Alternative and Complementary Approaches to Allergy and Asthma.” Presented at AAAAI Annual Meeting, March, 2001
5. Speaker: “Screening and Management of Allergy and Asthma in the Recreational Athlete.” Presented at AAAAI Annual Meeting, March, 2001.

6. Same as #5, AAAAI Annual Meeting, March, 2002.
7. Speaker: American Lung Association of Colorado “Catch Your Breath” conference, “Asthma for Women and Children”, May, 2005.
8. Multiple ACAAI, AAAAI presentations and workshops on Exercise Induced Allergies, Integrative Allergy and Asthma, 2005-2012.
9. ACAAI, Bernard Berman Memorial Lecturer, CAM in Allergy: “Herbal Effects and Side Effects,” November, 2006.
10. 1st International Allergy Clinical Immunology Jerusalem Conference, “Exercise Induced Allergies and Asthma,” 2008. Aspen Allergy Conference, “Exercise induced Bronchoconstriction: Differential Diagnosis,” 2011.
11. 2nd International Allergy Clinical Immunology Jerusalem Conference, “Integrative Allergy and Asthma,” 2012.
12. Israel Medical Association 100 year anniversary meeting, Medicine and the Holocaust Symposium, “Holocaust in Contemporary Bioethics,” 2012.
13. AAAAI Annual Meeting, March 2013, Integrative Allergy/Asthma
14. ACAAI Annual Meeting, November 2013, Integrative Allergy Asthma Workshop, with Gailen Marshall
15. ACAAI Annual Meeting, November 2013, Meet the Professor, Exercise induced Allergies/Asthma, with William Storms
16. AAAAI Annual Meeting, March 2014, Workshop, Integrative Allergy Asthma, with Gailen Marshall and Richard Lockey
17. AAAAI Annual Meeting, March 2014, Seminar Allied Health, Complementary Alternative Medicine, with Maureen George RN.
18. ACAAI Annual Meeting, November 2014, Seminar Allied Health, Integrative Allergy- What You Need to Know, with Maureen George
19. AAAAI Annual Meeting, February 2015, Complementary and Alternative Medicine (CAM): What’s New and What We Need to Know: Taking a History and Providing Guidance on Patients’ Use of CAM in Allergy and Asthma, with Maureen George
20. AAAAI Annual Meeting, February 2015, Exercise-Induced Bronchoconstriction (EIB): Past, Present and Future, with Tim Craig
21. First International Scholars Workshop in Medicine after the Holocaust: March 2015. Holocaust Bioethics in Medical Student Education.
22. ACAAI Annual Meeting, November 2015, Follow the Vapors: e-cigarettes and Marijuana Use, with Maureen O’Connor
23. Aspen Allergy Conference, July 2016, A Colorado Allergist’s Experience with Legalized Marijuana- Concerns beyond Cannabis Sativa.
24. American Society of Bioethics and Humanities, October 2016, Jewish Bioethics Affinity Group, Holocaust Bioethics Programming in Medical Professional Education
25. World Allergy International Scientific Conference, December 2016, Methods of Pollen Collection and Impact of Pollen Exposure on Patient Health, Jerusalem, Israel.
26. World Allergy International Scientific Conference, December 2016. What Is Integrative Allergy, Integrative Medicine and Complementary and Integrative Medicine? Jerusalem, Israel.
27. Co-chair, Second International Conference on Medicine in the Holocaust and Beyond. May 2017. Holocaust Bioethics in Medical Curricula. Western Galilee, Israel.
28. Latin America Allergy Immunology Conference, Lima, Peru. Cannabis Allergy Immunology, October 2018
29. ACAAI Annual Meeting, Cannabis: Allergic, Immunologic, and Respiratory Correlates. November, 2018
30. Israel Association of Allergy & Clinical Immunology, Cannabis Allergy Immunology, Jerusalem, Israel December 2018
31. AAAAI Annual Meeting, Cannabis Allergy and Immunology Correlates. With Ajay Nayak, San Francisco, CA Feb 2019
32. AAAAI Annual Meeting, Cannabis Exposure and its Impact on Human Respiratory Health: Adjusting to the New Reality Philadelphia, PA March 2020

PODCASTS:

For AAAAI- American Academy of Allergy Asthma Immunology. Cannabis Allergy Immunology for the Allergist 2019

<https://www.aaaai.org/professional-education-and-training/podcasts>

BLOGS:

<https://blogs.timesofisrael.com/holocaust-bioethics-vs-medical-ethics-in-decision-making-today/>

WEBINARS

Allergy Asthma Network: Cannabis in Respiratory Patients, May 21, 2020

<https://allergyasthmanetwork.org/asthma-updates/effects-of-cannabis-marijuana-on-asthma-and-other-respiratory-conditions-webinar/>