



# CURRICULUM VITAE

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**WILLIAM S. SILVERS, M.D.**

FAAAAI, FACAAL, FACP

## PERSONAL

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William S. Silvers, M.D. P.C. – Consultant, Allergy Asthma Immunology

Chief Scientific Officer, Canna Research Group- 2019- present  
[www.cannaresearchgroup.net](http://www.cannaresearchgroup.net)

Clinical Professor of Medicine, Division of Allergy Clinical Immunology  
University of Colorado School of Medicine 2002- present

Faculty Affiliate, University of Colorado Center for Bioethics and  
Humanities, Anschutz Medical Campus 2017-present

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

## EDUCATION

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

## CERTIFICATION & LICENSURE

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**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

<b>LICENSURE</b>	1974	Indiana	#25449
	1975	Georgia	#1743
	1977	Colorado	#21277
	1978	Wyoming	#2723A

## PRIOR POSITIONS

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Associate Clinical Professor, 1991-2002	Division of Allergy & Clinical Immunology University of Colorado Health Sciences Center, Denver, CO
Assistant Clinical Professor, 1985-1991	Division of Allergy & Clinical Immunology University of Colorado Health Sciences Center, Denver, CO
Consultant 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 Clinics. Department of Medicine "A" Hadassah Medical Center, Jerusalem, Israel
Research Fellow, 1979-1980	Department of Medicine, Research Laboratory for Autoimmune Disease, Hadassah Medical Center, Jerusalem, Israel

## PROFESSIONAL SOCIETY MEMBERSHIPS

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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**

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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**

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### **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

### **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

**AWARDS**

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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

William S. Silvers MD Scholarship for Israeli Fellows in Training, Allergists for Israel

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

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

**PUBLICATIONS**

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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., Settipane, 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. Inlet patch of gastric mucosa in upper esophagus causing chronic cough and vocal cord dysfunction., Silvers WS, Levine JS, Poole JA, Naar E, Weber RW. *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. 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>
29. 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>
30. 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.
31. Zeiger JS, Silvers WS, Fleegler EM, Zeiger RS. (2019) Knowledge mediates the relationship between attitudes toward cannabis and cannabis use behavior in active adult athletes. *Journal of General Internal Medicine*. In review.

32. Zeiger JS, Silvers WS, Fleegler EM, Zeiger RS. (2019) Co-use of THC and CBD most effective for pain relief, insomnia, and anxiety in active adult athletes. *Scientific Reports*. In Review.

## CHAPTERS

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33. Lindzon, R.L., Silvers, W.S., “Anaphylaxis”. Emergency Medicine Concepts and Clinical Practice, 2<sup>nd</sup> edition, Rosen, P., et al., editors. C.V. Mosby Company, St. Louis, MO. pp 203-231, 1988.
34. Lindzon, R.L., Silvers, W.S., “Allergy, Hypersensitivity, and Anaphylaxis.” Emergency Medicine Concepts and Clinical Practice, 3<sup>rd</sup> edition, Rosen, P., et al., editors. C.V. Mosby Company, St. Louis, MO. pp. 1042-1059, 1992.
35. 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.
36. 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.
37. Muelleman, R.L., Lindzon, R.L., Silvers, W.S., “Allergy, Hypersensitivity and Anaphylaxis”. Emergency Medicine: Concepts and Clinical Practice, 4<sup>th</sup> edition, Rosen, P., et al., editors. C.V. Mosby Company, St. Louis, MO. pp 2759-2776, 1998.
38. Silvers, W.S., “Allergic Rhinitis”. Integrative Medicine. Rakel, D., editor. Harcourt Health Sciences, W.B. Saunders Company, Philadelphia PA. pp 217-223, 2003.
39. Silvers W, Bailey H, Fig 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
40. Bonini M, Silvers W. Exercise-Induced Bronchoconstriction: Background, Prevalence and Sport Considerations. Immunology and Allergy Clinics of North America. March 2018.

## ABSTRACTS

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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, M.R., 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., Wehrle, 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.
33. 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.
34. O'Connell, M, Silvers, W.: "Malic Acid Food Hypersensitivity." *J. of Allergy and Clinical Immunology*, 105:1, p S137. 2000
35. 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
36. 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
37. 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
38. Silvers, WS, "A Colorado Allergist's Experience with Legalized Marijuana: Concerns beyond Cannabis Sativa." *Aspen Allergy Conference*, July 2016
39. 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).
40. 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. Lo<sup>1</sup>, M. Abbaslou<sup>2</sup>, K. F. Abbas<sup>2</sup>, D. Kobric<sup>2</sup>, W. Silvers<sup>3</sup>, G. Sussman<sup>4</sup>. 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. Feb 2019**
- 53.

## RECENT PRESENTATIONS

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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. 1<sup>st</sup> International Allergy Clinical Immunology Jerusalem Conference, “Exercise Induced Allergies and Asthma,” 2008. Aspen Allergy Conference, “Exercise induced Bronchoconstriction: Differential Diagnosis,” 2011.
11. 2<sup>nd</sup> 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, November, 2018. Cannabis: Allergic, Immunologic, and Respiratory Correlates. November, 2018
30. AAAAI Annual Meeting, Cannabis Allergy and Immunology Correlates. With Ajay Nayak, San Francisco, CA Feb 2019
31. 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>