

CURRICULUM VITAE

NAME: Robert William Hostoffer, Jr., D.O.

ADDRESS: Home: 5536 Prestwick Ln.
Highland Hgts., Oh 44143

Business: Allergy Immunology Associates, Inc.
1611 South Green Road
South Euclid, Ohio 44121

DATE OF BIRTH: August 31, 1959

PLACE OF BIRTH: Mt. Pleasant, PA

MARITAL STATUS: Wife: Karen Louise
Children: Alexander David, Vincent Michael,
Nicholas James, Sarah Irene, Zachary Thomas

EDUCATION: St. Mary's Preparatory
Orchard Lake, Michigan, 1977

John Carroll University
University Heights, OH
B.S. (Biology), 1981

Philadelphia College of Osteopathic Medicine
Philadelphia, PA
D.O., 1985

TRAINING:

1985 - 1986 Intern
Doctor's Hospital, Pediatrics, Columbus, OH

1985 – 1988 Clinical Instructor
University of Osteopathic Medicine, Ohio

1986-1988 Resident
Doctor's Hospital, Pediatrics, Columbus, OH

1987 Chief Resident
Doctor's Hospital, Pediatrics, Columbus, OH

1988 – 1991 Fellow
University of Alabama at Birmingham, Dept. of Pediatrics
Pediatric Immunology

FACULTY APPOINTMENTS:

1991 – 1993 Instructor, Immunology Division
Case Western Reserve University
Department of Pediatrics
Rainbow Babies and Children's Hospital

1993 – 2000 Assistant Professor, Immunology Division
Case Western Reserve University
Department of Pediatrics
Rainbow Babies and Children's Hospital

1997 – 1998 Acting Clinical Director of Division of
Immunology, Allergy, Rheumatology, Case
Western Reserve University Department of
Pediatrics Rainbow Babies and Children's
Hospital, Cleveland, Ohio.

1998 – 1999 Clinical Director of Northeast Ohio Center for
Immune Disorders

1998 – 1999 Clinical Director of Pediatric Immunology
Rainbow Babies and Children's Hospital

1999-Present Clinical Assistant Professor of Pediatric

1999-Present Partner, Allergy /Immunology Associates Inc.

2002-2014	Residency Director of Osteopathic Pediatric Residency At RB&C.
2006-2008	OU-COM/Core Group IV Clinical Instructor
2006-2009	OU-COM Clinical Assistant Professor, Department of Specialty Medicine.
2008	Director of Osteopathic Pediatric Allergy Fellowship
2007	Adjunct Professor, LECOM
2007	Adjunct Professor Turo University, Nevada
2008-2012	Director, Pediatric Allergy/Immunology Fellowship University Hospital, Ohio
2011-2012	Director, Internal medicine Allergy/Immunology Fellowship, University Hospitals
2012-Present	Director of Combined Pediatric and Internal Medicine Allergy/Immunology Fellowship, University Hospitals
2013	OU-COM Clinical Professor, Department of Specialty Medicine
2013	Case Western Reserve University, Associate Professor
2015-2020	University of Pikeville, Kentucky; Adjunct Clinical Professor of Pediatrics and Allergy and Immunology

HOSPITAL APPOINTMENTS:

1993 – 1999	Attending Physician Rainbow Babies and Children’s Hospital Emergency Room/Trauma Center
2015	UH GME Innovation Award Committee

NATIONAL APPOINTMENTS:

1998 – 2000	Regional consultant for Immunodeficiency Foundation
1998-1999	Co-Chair, ACOP National Meeting, Chicago, Illinois
1999	Chair, ACOP National Meeting, Pheonix, Arizona
1998	Nominated and elected to the Executive Board ACOP, Trustee
2000-2001	Chairman of the membership committee for ACOP
2000-2001	Question writer for the National Osteopathic Board of Examiners.
2001-2002	Question writer for the NOBME
2001	Co-Chairman, ACOP Fall National Meeting, Cleveland, Ohio
2001-2002	Member of the CME committee of the ACOP
2002-2003	Co-chairman, ACOP Fall National Meeting, Las Vegas.
2002	Chairman and program director of RSV Update, Cleveland
2002-2004	Secretary/Treasurer ACOP
2003-2004	Cleveland Academy of Osteopathic Medicine Council Member.
2004-2005	Representative for Medicare/Medicaid reimbursement.
2004	Pediatric delegate to AOA House of Delegates
2004	Vice President of ACOP
2004-2005	Question writer for NBOME
2004-2005	HRSA Advisory Committees on Childhood Vaccinations nomination
2004-2005	Secretary/treasure Cleveland Academy of Osteopathic Med
2005-2006	FDA Vaccines and Related Biological Products Committee

	Nomination
5/2005	Representative of IFD to US Ways & Means Committee and CMS
5/2005	Representative on Advisory Committee on Blood and Safety and Availability, DHHS-nomination
10/2005	Secretary/treasure of Cleveland Allergy Society
10/2005	Secretary of Cleveland Academy of Osteopathic Medicine
2005	CDC Advisory Committee on Immunization practices Nomination (by OOA and AOA).
2006	President of ACOP
2007	Vice President of Cleveland Academy of Osteopathic Med
2006	Secretary of Cleveland Allergy Society
2006-Present	House of Delegates to AOA, ACOP, OOA
2008	VP of Cleveland Allergy Society
2008-2009	President of CAOM
2009-2010	President of Cleveland Allergy Society
2011	Bureau of Osteopathic Graduate Medical Education American Osteopathic Association, Chicago
2011-present	Board of trustees, John Carroll University, Ohio
2011-2015	Program and Trainee Review Council (AOA)
2011-2015	Chair ACOP GME committee.
2012-2013	Treasurer, Ohio Osteopathic Association
2012-present	JCU, Governance and Nominating committee
2013	Review Committee Comlex 3, NOBME

2013-2014	Vice President Ohio Osteopathic Association
2013-2014	AOA Educational Reference Committee
2014-2015	National Faculty "Foundational Biomedical Sciences Division of Microbiology & Immunology" NBOME
2014	Reagent: Orchard Lake, St Mary's School: Michigan
2015-2016	Chair, AOA Ad Hoc Committee, Chicago, Ill.
2015-2016	President, Ohio Osteopathic Association
2016-2017	Immediate Past President, Ohio Osteopathic Association

Corporation Development:

IVIgG Consultants, 2001-2016
 Infusion Network Systems (INS), 2001-2003
 OCRA, 2016

HONORS & AWARDS:

-Eagle award, BSA
 -Mead Johnson Fellowship Grant Recipient, 1987
 -Resident of the Year Award, 1988
 -Dixon Fellowship Award, 1990
 -Sixth Annual Trainee Research Award, 1990
 -Teaching Excellence Award, 1995
 -CIS/CIC International Symposium
 Scholarship Award, San Francisco, 1995
 -Teaching Excellence Award, 1996

- Teaching Excellence Award, 1998
- Ohio “Help Me Grow” Award for Outstanding Effort in Pediatrics 1998 (Presented by governor of Ohio)
- Rainbow’s Outstanding Mentoring Award, 1999
- Honorary Member of Sociedad Dominicana de Alergia e Immunologia, April 2000.
- “Top Doc”, Northern Ohio Magazine, April,2001.
- “CHIC man of the Quarter”, December 2001
- Outstanding Contribution to the Internal Medicine Clerkship Program- University Suburban Health Center-2002.
- Golden Apple Award, Outstanding teaching award given by University Hospital Family Practice Residency, 1st award given to non-full time faculty, 2002.
- “Top Docs”, Northern Ohio Live Magazine, September 2002.
- Educational Contribution and Support, Philippine Pediatric Society in America, 2003.
- “Top Docs”, Northern Ohio Live magazine, March, 2005.
- AOA Mentor Hall of Fame, October, 2006.
- Man of the year, Cleveland Food Allergy Ass.
- AOA Mentor Hall of Fame, October, 2007
- Best Doctor, 2010 (National)
- Distinguished service award, ACOP 2011
- Outstanding Physician Award (2011) (CORE)
- “Top Doc” Cleveland Magazine (2012)
- Pediatric Outstanding Teaching Physician, Richmond

Medical Center, (2012)

- "Top Doc" Cleveland Magazine (2013)
- Pediatric Outstanding Teaching Physician, Richmond Medical Center, (2013)
- Preceptor of the year; South Pointe Hospital, Cleveland, (2013).
- "Top Doc" Cleveland Magazine (2014)
- "Guardians of the Profession" (AOA 2013)
- "Unsung Heroes" (AOA 2013)
- Watson Lecturer, ACOP Kansas, 2014
- Honorary Fellow ACOI, 2014, Baltimore
- ACOP Pediatrician of the year: 2015 Florida
- "Master Faculty" CORE, OUHCOM, 2015
- Research Recognition, 2015 University Hospital Regional Medical Center.
- Outstanding Service Award for 2106: The Academy of Medicine of Cleveland and Northern Ohio
- "Top Doc 2016" Cleveland Magazine
- 25 years of service recognition; University Hospitals, Cleveland Medical Center, 2016

Community Service:

Puberty, 5th grade St Gregory the Great School, March 2002-04

LICENSURE:

Pennsylvania

Ohio

CERTIFICATION:

Board Certified Pediatrics (ABOP) (1991)

Board Certified Allergy and Immunology (1999)

Recertification Allergy and Immunology (2006)

Recertification Allergy and Immunology (2013)

Neonatal Resuscitation (AAP) (1995)

Advance Trauma Life Support (ALS) (1995)

PROFESSIONAL SOCIETIES:

American Osteopathic Association

American Medical Association

Ohio Osteopathic Association

American College of Osteopathic Pediatricians

Cleveland Academy of Medicine

Children's Oncology Services of Northeastern Ohio

American Association of Immunologists

American Academy of Pediatrics

Clinical Immunology Society

American College of Chest Physicians

Cleveland Allergy Society

COMMITTEES:

Morbidity and Mortality Review, 1990
(Rainbow Babies & Children's)

Credentialing Committee, 1994
(Rainbow Babies & Children's)

Student Affairs Committee, 1995
(Case Western Reserve University)

Tenure and Advancement Committee, 1996-1997
(Rainbow Babies and Children's Hospital)

University Hospitals Home Care Services
Advisory Board, 1998

CME committee for ACOP (national) 1998-2001

University Hospital's Latex committee, 2000

Chairperson of 2007 CAOM CME, Independence, Ohio.

Chairperson of Ohio Osteopathic Symposium, 1016,
Columbus, Ohio.

TEACHING:

Medical School:

Core Physician Development Program (CPDP),
Facilitator, 1992 – 1999

Physical Diagnosis Course, 1995- Present

Core Clerkship Lecturer 1992 – 2000

OCSE Testing, 1991 – 2000

Host Defense Course (2nd Year Medical Students)
(Case Western Reserve University)

3rd year allergy rotation (Case Western Reserve U)
2001-present

Postgraduate: Grand Rounds RB&C, Mt. Sinai, St. Luke's,
Metro-Health, 1992 – present
Case Management, 1991 – 2000
Senior Resident Board Review, 1991 – 1999
Ward Attending at RB&C, 1991-1999
Resident Advisor, 1992 – 2000
Precepting Attending in RB&C Emergency Room,
1992 – 1999
Resident Education in Immunology, 1991 – 1999
Family Practice Residents rotations-University Hospital
2000-present
Family Practice Residents rotation-Mt Sinai East 1999
Internal Medicine Residents rotation-University Hospital
2001-present
Family Practice Residents rotation /lecturer-Richmond Hts
Hosp. 2001-present.
Nelson's Club-Pediatric Residents-Richmond Hosp.
2002-2013.
Family Practice Residents rotation/ Southpoint Hospital.

Fellow Teaching: Fellow's Immunology Course, 1993
RB&C Pediatric ID fellow immunology training, 2006-7
University Hospital Allergy/Immunology Fellowship 2010-
present

EDITORIAL BOARD:

Journal of the American Osteopathic Association, 2000-2003.

BOOK CHAPTERS:

1. Clinical Management of Infections in Immunocompromised Infants & Children, Disorders of Host Defense. Lippincott-Raven Publishers, Philadelphia, Pa, 2000.
2. IgA Deficiency, in book titled UpToDate, edited by Burton D Rose, and published by UpToDate Wellesley, MA, CD ROM-2001.
3. CD5 PID, in book titled Recent Research Developments in Allergy & Clinical Immunology, Research signpost, Kerala, India.
4. Peppers, Brian P., Hostoffer RW. (2014). Immunodeficiency Diseases. In Domino FJ (Ed.), The 5-Minute Clinical Consult 2015, Philadelphia: Lippincott Williams and Wilkins.
5. Peppers, Brian P., Hostoffer RW. (2015). Immunodeficiency Diseases. In Domino FJ (Ed.), The 5-Minute Clinical Consult 2016, Philadelphia: Lippincott Williams and Wilkins.
6. Urticaria Prevalence Etiologies and Treatment Options: Kathryn Ruda Wessell, Erin C. Toller-Artis, Haig Tcheurekdjian, Robert Hostoffer: Editor: Suran Fernando :Publisher: Nova Biomedical 2014: pages 35-50

PUBLICATIONS:

Original Publications in Peer Reviewed Journals:

1. Hostoffer R.W., and Backers CR: Evaluation of the apgar score's ability to predict oxygenation by use of a pulse oximeter. Columbus Medical Group Journal, 1988.
2. Backers CR, and Hostoffer R.W.: Proposed method of well child car in a resident's clinic. J Am Osteopath Assoc 89:1158-1162, 1989.
3. Monteiro RC, Hostoffer R.W., Kubagawa H, and Cooper MD: Characterization of an Fc α receptor expressed by human eosinophils. J. Clin. Invest., 93:1681-1685, 1993.
4. Young D.Y., and Hostoffer R.W: combined immunodeficiency in a patient with paroxysmal nocturnal hemoglobinuria. Immunol & Aller Pract, 14:7-11, 1992.
5. Hostoffer R.W., Krukovets I, and Berger M: Increased Fc α R expression and IgA-mediated function on neutrophils induced by chemoattractants. J Immunol, 150:4532-4540, 1993.
6. Hostoffer R.W., Litman A., Smith P.G., Jacobs, and Tosi M.F.: Pneumocystis Carinii pneumonia in a term newborn infant with transiently depressed T lymphocytes primarily involving CD4+ cells. J. Pediatr., 122:792-794, 1993.
7. Hostoffer R.W., Krukovets I, and Berger M: Enhancement of PMN Fc α R expression and IgA mediated PM N superoxide generation and killing of *P. aeruginosa* by TNF α . J. Infect. Dis. 170:82-87, 1994.
8. Hostoffer, R.W., Berger, M., Clark, H.T., and Schreiber, JR: Disseminated Histoplasma capsulatum in a patient with hyper IgM immunodeficiency. Pediatrics. 94:234-236, 1994.
9. Masin, JS, Hostoffer, RW, and Arnold, JE: Otitis media following tympanostomy tube placement in children with IgG₂ deficiency. Laryngoscope. 105: 1188-90, 1995.
10. Griffin, T, Hostoffer, RW, and Kerr, D: Propionic acidemia with hypocalcemia and B cell lymphopenia. Acta Pediatr. 85:875-878 1996.
11. Hostoffer, R and Young, D: Severe combined immunodeficiency with oligoclonal hypergammaglobulinemia and high positive ANA. Clinical Pediatr. 35:43-46, 1996.

12. Hostoffer, R: Kabuki syndrome associated with common variable immunodeficiency. *Clinical Pediatr.* 35:273-276, 1996.
13. Hostoffer, R: Antibiotic use in immunodeficient patients: Belongings (National Magazine for Caremark, 1995).
14. Schwartz H, Berger M, Hostoffer RW: Allergic broncho-pulmonary aspergillosis and common variable hypogammaglobulinemia in an adult male. *J Aller clin Immunol* 98:708-710, 1996.
15. The Prevent Group Study: Reduction of respiratory syncytial virus hospitalization among premature infants and infants with bronchopulmonary dysplasia during respiratory syncytial virus immune globulin prophylaxis. *Pediatr.* 99:93-9, 1996.
16. DePiero, AD, Lourie, EM, Berman, BW, Robin, NH, Zinn, AB, Hostoffer, RW: Recurrent immune cytopenias in two patients with DiGeorge/Velocardiofacial syndrome. *J Pediatr*, 131:484-486, 1997.
17. Leonard, EG, Wojowicz, JA, Takacs, SM, Toltzis, PH, Smith PG, Hostoffer, RW: Pseudo tumor cerebri and Kawasaki disease. *J Clin Rheum*, 3:310-311, 1997.
18. Antall P, Hostoffer RW: Selective antipolysaccharide antibody deficiency associated with peripheral blood CD5+ B-cell predominance. *J Allergy Clin Immunol*, 103:637-641, 1999.
19. Pila M., Hostoffer R.W.: 1996-1997 Rainbow RSIVIgG experience. *Pediatrics*, Submitted, 1997.
20. Vogelgesang, R.J., Anderson, M., Ferkol, J., Hostoffer, R.W., A novel combined immunodeficiency with elevated IgE: (submitted to *Pediatrics* 1997)
21. Villella A, Bialostky D, Lori E, Meyerson H, Hostoffer R.W. Rubinstein-Taybi syndrome with humoral and cellular defects: a case report. *Archives of Disease in Childhood* 83(4):360-361, 2000.
22. Hostoffer, Extreme Thrombocytosis in a ADA Deficient patient after use of PEG ADA: *Clinical Pedes* 39(3):183-186, 2000
23. Kraynack N, Robin N, Hostoffer R: Agenesis of the Corpus Callosum associated with DiGeorge-Velocardiofacial syndrome: A case report and review of the literature. *J Child Neurology* 14(11):754-756,1999.
24. Villella A, Picard C, Jouanguy E, Popko S, Abughali N, Casanova JL, Hostoffer R W: Recurrent *Mycobacterium avium* Osteomyelitis Associated with a novel Interferon Gamma Receptor Mutation. *Pediatrics* 107(4), 2001, e47.

25. Hostoffer RW, Pediatric Allergy, ACOP Pulse 2001.
26. Depiero A, Kaminiski D, Halsey J, Briles D, Burrows P, Hostoffer R. Immunological compensation in a patient with a large IgH constant region deletion. JACI 107 (6):1051-5, 2001.
27. Hall, H, Don N, Hussien J, White E, Hostoffer R. The scientific study of unusual rapid wound healing; case report. Advances in Mind-body Medicine 17: 1-7, 2001.
28. Schwartz, HJ, Hostoffer, RW, McFadden, ER, Berger, M. The response to intravenous immunoglobulin replacement therapy in asthmatic patients with specific antibody deficiency. Allergy and Asthma Proceedings, January, 2006.
29. Shah, P, Hostoffer, RW. IgA and Anti-Pneumococcal antibody deficiencies in a set of identical twins. (in press Annals of allergy, asthma and immunology).
30. Tcheurekdjian, H, Martin, J, Kobiayshi, R, Wasserman, R, Hostoffer, R. Intra-infusion and post-infusion adverse events related to intravenous immunoglobulin therapy in immunodeficiency . Allergy Asthma Proc. 2006 Nov-Dec;27(6):532-6
31. Hostoffer, R. Letter to editor, Clinical Immunology, 2002.
31. Tiliakos A, Shaia S, Hostoffer R: The use of infliximab in a patient with steroid-dependent churg-strauss syndrome. J Clin Rheumatol 2004 Apr; 10(2):96-7
32. Tcheurekdjian, H, Jenkins, O., Hostoffer, R. Non Parotid, Cranial Mucosa-Associated Lymphoid Tissue Lymphoma and CVID, ENT Journal, 83:352-354,2004.
33. Tcheurekdjian, H, Palermo, T, Hostoffer R., Quality of life in Primary Immunodeficiency states requiring intravenous gammaglobulin. Ann Allerg Asthma Immuno, vol 93;160-165, 2004.
34. Zebracki, K, Hostoffer R., Health-related quality of life of children with primary Immunodeficiency disease: A comparison study. Ann Allerg Asthma Immuno, vol 93;557-561,2005.
35. Naimi, D, Hostoffer, R. The immunodeficiency in Rubinstein-Tabys Syndrome. Allergy and asthma Proceedings, vol 27, no 3, 281-284, 2006.
36. Cunningham-Rundles, C, Routes, JM, Hostoffer, RW, Sullivan, KE. Uncommon Conundrum in common variable immunodeficiency, Clin Immunol, vol 116,208-210, 2005.

37. Weiss, L, Brady, N, Hostoffer, RW, Tcheurekdjian, H. Handle with care...nitroglycerin anaphylaxis. *Ann Allergy Asthma Immunol.* 2009 Dec;103(6):536-7.
38. Poorvi, D, Swender, D, Chernin, L, Hostoffer, R. A rare case of Histoplasmosis in the Olecranon Bursa of a patient with Idiopathic CD4 Lymphocytopenia (ICL). *Ann Allergy Asthma Immunol* 107:543-544;2011.
39. Hostoffer, R. Food Allergies. *Ejournal ACOP* 2011.
40. Tagliaferro, A, Swender, D, Chernin, L, Tcheurekdjian, H, Meyerson, H, Hostoffer, R. A prolonged Incubation Period in Zosteriform Leishmaniasis Panamenis, 2014 Feb;93(2):E5-6.
41. Swender, D, Chernin, L, Hostoffer, R. Cracking the shell on egg allergic patients and egg containing vaccines, *J Am Osteopath Assoc.* 2011 Oct;111(10 Suppl 6):S5-6
42. Chernin, L, Swender, D, Hostoffer, R. How many infections are too many? *ACOPreview*, Oct 2011.
43. Meyer-Bahlburg A, Renner ED, Rylaarsdam S, Reichenbach J, Schimke LF, Marks A, Tcheurekdjian H, Hostoffer R, Brahmandam A, Torgerson TR, Belohradsky BH, Rawlings DJ, Ochs HD.. Heterozygous signal transducer and activator of transcription 3 mutations in hyper-IgE syndrome result in altered B-cell maturation. *J Allergy Clin Immunol.* 2012 Feb;129(2):559-62, 562.e1-2. Epub 2011 Oct 26
44. Brandon Shetty, Kittu Jindal Garg, David Swender, Leah Chernin, Haig Tcheurekdjian, and Robert Hostoffer. The Use of Immunomodulatory IVIG in a Patient with Behcet's Syndrome and Common Variable Immunodeficiency. *Ann Allergy Asthma Immunol.* 2012 Jul;109(1):84. Epub 2012 May 31.
45. Sterbank, J, Horbal, J, Artis-Toller, E, Hostoffer, R. Parental concerns of hypersensitivity reactions to gelatin, antibiotics, and latex in vaccines. *JAOA*, (accepted 2012).
46. Borte M, Bernatowska E, Ochs HD, Roifman CM; Vivaglobin Study Group. Efficacy and safety of home-based subcutaneous immunoglobulin replacement therapy in paediatric patients with primary immunodeficiencies. *Clin Exp Immunol.* 2011 Jun;164(3):357-64. doi: 10.1111/j.1365-2249.2011.04376.x. Epub 2011 Mar 11.

47. Jason Casselman D.O., John Venglarcik M.D., Matt Bludorn MS III, Leah Chernin D.O., David Swender D.O., Hiag Tcheurekjian, MD, Robert Hostoffer D.O.. Association of Natural Killer Cell Dysfunction and Recurrent Stevens - Johnson Syndrome in a Pediatric Patient. *Allergy and Rhinology* 2013 Spring;4(1):e25-6.
48. Swender, D, Hostoffer, R. The rate of anaphylaxis secondary to allergy skin testing in a suburban allergy practice from 1997-2010. *Allergy and Rhinology* 2012 (Fall);3:e55-60.
49. Crosby, K, Swender, D, Chernin, L, Ochs, H., Tcheurekdjian, H., Hostoffer, R. STAT3 Mutation with Invasive Eosinophilic Disease. *Allergy and Rhinology* 2012 Fall;3(2):e94-7.
50. Leah Chernin DO, David Swender DO, Robert Hostoffer DO, and Haig Tcheurekdjian MD, Anaphylaxis Secondary To Contact With A Vomited Food Allergen. *Ann Allergy Asthma Immunol.* 2012 Oct;109(4):279. doi: 10.1016/j.anai.2012.07.014. Epub 2012 Aug 21.
51. Brandon Shuttly, DO; David Swender, DO; Leah Chernin, DO; Haig Tcheurekdjian, MD; Robert Hostoffer DO, Differential Response to DEET and Picaridin in a Patient with Contact Urticaria. *Cutis.* 2013 Jun;91(6):280-2
52. Shuttly B, Garg KJ, Swender D, Chernin L, Tcheurekdjian H, Hostoffer R. Optimal use of ivig in a patient with Behçet syndrome and common variable immunodeficiency. *Ann Allergy Asthma Immunol.* 2012 Jul;109(1):84. Epub 2012 May 31.
53. A Unique Case of Peroneus Brevis/Longus Myositis in a Patient with STAT3 Mutation. *Ann Allergy Asthma Immunol.* 2013 Mar;110(3):204-5.
54. Hypogammaglobulinemia Treated with Infusion Therapy Associated with Cortisol Deficiency. *Ann Allergy Asthma Immunol.* 2013 Feb;110(2):126-7.
55. Association of Natural Killer Cell dysfunction and recurrent Stevens - Johnson Syndrome in a pediatric patient. *Allergy Rhinol (Providence).* 2013 Spring;4(1):e25-6.
56. Common Variable Immunodeficiency Associated with Birdshot-Like Chorioretinopathy. *Ann Allergy Asthma Immunol.* 2014 Mar 13. pii: S1081-1206(14)00118-5. doi: 10.1016/j.anai.2014.01.027.
57. Beware the caterpillar: anaphylaxis to the Spotted Tiger Moth caterpillar, *Lophocampa maculata*, *Allergy & Rhinology*, 2014.
58. Code red: a case of anaphylaxis to a soda. 2014 Mar 18. pii: S1081-1206(14)00126-4. doi: 10.1016/j.anai.2014.02.011.

58. Good syndrome and polymyositis. 2014 Mar 28. pii: S1081-1206(14)00134-3. doi: 10.1016/j.anai.2014.03.001.
59. Delayed Anaphylaxis to the Flu Vaccine Unrelated to Known Non-Viral Components; In Press: European Annals of Allergy and Clinical Immunology.
60. A rare presentation of EBVD mucocutaneous ulcer that led to a diagnosis of hypogammaglobulinemia. Kleinman S, Jhaveri D, Caimi P, Cameron R, Lemonovich T, Meyerson H, **Hostoffer** R, Tcheurekdjian H. J Allergy Clin Immunol Pract. 2014 Nov-Dec;2(6):810-2. doi: 10.1016/j.jaip.2014.07.009. Epub 2014 Sep 10.
61. Contemplating the etiology of chronic urticaria and the implications of current guidelines. Sterbank J¹, Kim Y², Toller-Artis E³, Barcena M⁴, Bose S⁵, Meyerson H⁵, Hostoffer R⁶, Tcheurekdjian H⁷. Ann Allergy Asthma Immunol. 2015 Mar 31. pii: S1081-1206(15)00156-8. doi: 10.1016/j.anai.2014.12.025.
62. Cerebral aneurysm in a 12-year-old boy with a STAT3 mutation (hyper-IgE syndrome). Kim Y, Nard JA, Saad A, Casselman J, Wessell KR, Toller-Artis E, Tcheurekdjian H, Hostoffer RW. Ann Allergy Asthma Immunol. 2015 Mar 24. pii: S1081-1206(15)00123-4. doi: 10.1016/j.anai.2015.02.016.
63. Chronic lymphocytic lymphoma presenting with recurrent demodicidosis. Sandhu M¹, Jhaveri D², Tcheurekdjian H³, Hostoffer RW Jr³. Ann Allergy Asthma Immunol. 2015 Feb 20. pii: S1081-1206(15)00074-5. doi: 10.1016/j.anai.2015.01.016.
64. Multiple necrotic deep wound infections associated with a subcutaneous immunoglobulin infusion. Abraham T, Kim YM, Casselman J, Saad A, Wessell KR, Toller-Artis E, Tcheurekdjian H, Hostoffer R. Ann Allergy Asthma Immunol. 2015 May 8. pii: S1081-1206(15)00250-1. doi: 10.1016/j.anai.2015.04.013
65. Successful hematopoietic cell transplantation in a patient with X-linked agammaglobulinemia and acute myeloid leukemia. Abu-Arja RF, Chernin LR, Abusin G, Auletta J, Cabral L, Egler R, Ochs HD, Torgerson TR, Lopez-Guisa J, Hostoffer RW, Tcheurekdjian H, Cooke KR. Pediatr Blood Cancer. 2015 Apr 20. doi: 10.1002/pbc.25554
66. Delayed Anaphylaxis to the flu vaccine unrelated to known non-viral components. David J, Horbal J, Tcheurekdjian H, Sher TH, Hostoffer R. Eur Ann Allergy Clin Immunol. 2015 Sep;47(5):159-60.
67. Nocardia Brain Abscess and CD4⁺ Lymphocytopenia in a Previously Healthy Individual. Norair Adjamian, Adeline Kikam, Kathryn Ruda

Wessell, Jason Casselman, Erin Toller-Artis, Olapeju Olasokan, and Robert Hostoffer. *Case Reports in Immunology*; Volume 2015 (2015), Article ID 374956, 3 pages <http://dx.doi.org/10.1155/2015/374956>

68. Autosomal Dominant Transmission of Signal Transduction and Activator of Transcription 1 (STAT1) Mutation (Thr385 Met) and Extended Lifespan. Kathryn Ruda Wessell, Robert Hostoffer. 10.14785/lymphosign-2015-0013.
69. Possible mast cell activation syndrome in a patient undergoing long-term hemodialysis: Robertson LM, Frith JA, Tcheurekdjian H, Hostoffer RW. *Ann Allergy Asthma Immunol*. 2016 Mar 28. pii: S1081-1206(16)30047-3. doi: 10.1016/j.anai.2016.03.009.
70. Idiopathic pancreatitis in a patient with a STAT3 mutation: Michaud C¹, Peppers B, Frith J, Tcheurekdjian H, Hostoffer R. *Allergy Rhinol (Providence)*. 2016 Jan;7(1):42-4. doi: 10.2500/ar.2016.7.0148.
71. Contact Dermatitis to Formaldehyde From Kissing a Corpse? Saad A, Bogorodskaya M, Harwell C, Tcheurekdjian H, **Hostoffer R**. *Dermatitis*. 2016 Jul-Aug.10.
72. Common variable immune deficiency associated with pemphigoid. Doll R, Johnson J, Tcheurekdjian H, Hostoffer R; *Ann Allergy Asthma Immunol*. 2016 Nov 16. pii: S1081-1206(16)31224-8. doi: 10.1016/j.anai.2016.10.020. [Epub ahead of print]
73. Ocular desensitization in the face of local anesthetic hypersensitivity. McGarry DP, Kim YM, Casselman J, Wenz R, Jhaveri D, Tcheurekdjian H, Hostoffer RW; *J Allergy Clin Immunol Pract*. 2016 Nov 9. pii: S2213-2198(16)30494-9. doi: 10.1016/j.jaip.2016.09.040
74. Pure Cold-Induced Cholinergic Urticaria in a Pediatric Patient," McGarry, D, Hostoffer; *Case Reports in Immunology*, vol. 2016, Article ID 7425601, 2 pages, 2016. doi:10.1155/2016/7425601.
75. The Scholar 7: The Development of the Regional Community Hospitals Scholastic Environment: In Press, JAOA, 2016

Abstracts:

1. Hostoffer R.W., and Culter E.A.: Congenital hypoplastic amenia and metaphyseal chondrodysplasia – pleiotropy or incidental concurrence. *Am J Med Genet.* 25:741-742, 1986.
2. Hostoffer R.W., and Cooper MD: B cell specific monoclonal antibodies. 4th International conference on Human Leucocyte Differentiation antigens. *Tissue Antigens* 33:155, 1989.
3. Hostoffer R.W., Monteiro R.C., Tartt S.B., Grossi C.E., and Cooper M.D.: Cyclic neutrophil dysmaturity and recurrent pyogenic infections. *FASEB Journal* A2109:2408, 1990.
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 55. CD5 PID, Multi-Center Study. N. Wasserbauer¹, H. Chapel², T. Harville³, S. Jones³, R. W. Hostoffer, Jr.¹; Journal of Allergy Clin Immunol, 2004.
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 65. Immune Defects in Rubinstein-Taybi Syndrome with and without Deletion of CREEBP, D. Naimi¹, J. Munoz², J. Rubinstein³, R. W. Hostoffer, Jr; Journal of Allergy Clin Immunol, vol 117, 2006.
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 67. Genetic Analysis of autosomal dominant common variable immunodeficiency, A. Marks, R Hostoffer, Journal of Allergy Clin Immunol, vol 119, no. 1, Jan,2007.
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71. Recurrent Facial herpes simplex infections in a 4 year old female with a Functional natural killer cell deficiency, A. Marks, R Hostoffer, Journal of Allergy Clin Immunol, vol 119, no. 1, Jan,2007.
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 73. Progesterone-Induced Urticaria, Angioedema, and Anaphylaxis:A Case Report and Review of the Literature. Jason Casselman, DO, Leah Chernin, DO, David Swender, DO, Robert Hostoffer DO, ACOP, Orlando, 2011
 74. Association of Natural Killer Cell Dysfunction and Recurrent Stevens - Johnson Syndrome in a Pediatric Patient. Jason Casselman D.O., John Venglarcik M.D., Matt Blutorn MS III, Leah Chernin D.O., David Swender D.O., Haig Tcheurekdjian, MD,Robert Hostoffer D.O. ACOP, Orlando, 2011.
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 76. Differential response to DEET and picaridin in a patient with contact urticaria to insect repellents. David Swender DO, Leah Chernin DO, Haig Tcheurekdjian MD, Robert Hostoffer DO. Annals of Allergy, Asthma&Immunology, Vol 107, No 5, Suppl 1, Nov 2011, page A 53.
 77. High-Dose IVIG Therapy for Arthritis Associated with Specific Polysaccharide Antibody Deficiency. Bose, S, Hostoffer, R. , Tcheurekdjian, H. Annals of Allergy, Asthma&Immunology, Vol 107, No 5, Suppl 1, Nov 2011, page A 86.
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 79. LONG-TERM CHANGES IN HEALTH-RELATED QUALITY OF LIFE IN CVID DIFFER BASED ON IMMUNOGLOBULIN REPLACEMENT MODALITY, Haig Tcheurekdjian, Robert Hostoffer. CIS Annual Meeting. 2012.
 80. A Case of Orofacial Granulomatosis. Dennis Keselman, Robert Hostoffer. ACOP, Memphis, 2012

81. Four Case Reports on Major Histocompatibility Complex Class II Deficiency. Brian Peppers, Leah Chernin, David Swender, Haig Tcheurekdjian, Robert Hostoffer. ACOP, Memphis, 2012.
82. IPEX-like syndrome. AOA/ACOP, San Diego, Cal. Oct. 2012
83. CVID and Skin Disease. AOA/ACOP, San Diego, Cal. Oct. 2012
84. DRESS syndrome. AOA/ACOP, San Diego, Cal. Oct. 2012
85. STAT1 mutation in an African American male. AOA/ACOP, San Diego, Cal. Oct. 2012
86. STAT3 mutation and Peronious brevis and longus myositis. AOA/ACOP, San Diego, Cal. Oct. 2012
87. A mother-daughter case of NK cell deficiency suggesting autosomal dominant inheritance. SC Reznick, R Hostoffer. Annals of Allergy, Asthma & Immunology Vol. 109, Nov 2012, A97.
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89. Adult onset natural killer cell deficiency manifesting as recurrent human papilloma virus laryngeal papillomatosis. CIS, April, 2013, Miami, Florida.
90. A Rare Presentation of EBV Related Lymphoma Leading to a Diagnosis of Hypogammaglobulinemia. Kleinman, Sara. Jhaveri, DK. Sterbank J. Horbal J. Caimi P. Cameron RB. Meyerson H. Hostoffer RW. Tcheurekdjian H. Ann All Asth Immuno, Vol 111, Nov 2013, A58
91. A Novel Mutation in an African American Male with Chronic Mucocutaneous Candidiasis. Devi Jhaveri, D.O. Jonathan Horbal, D.O. Julie Sterbank, D.O. Leah Chernin, D.O. Theo S. Platinga, PhD. Haig Tcheurekdjian, M.D. Robert Hostoffer, D.O. Ann All Asth Immuno, Vol 111, Nov 2013, A13
92. Ciliary Aplasia in a Caucasian Male with Recurrent Sinopulmonary Disease. Julie Abraham, M.D. Jonathan Horbal, D.O. Devi Jhaveri, D.O, Julie Sterbank, D.O. Thipmol Tim-aroon, M.D. Suzanne DeBrosse, M.D. Rod Rezaee, M.D. Robert Hostoffer, D.O. Haig Tcheurekdjian, M.D. Ann All Asth Immuno, Vol 111, Nov 2013, A94
93. Common Variable Immunodeficiency and Eosinophilic Eosphagitis, Erin Toller, Robert Hostoffer. OMED, Las Vegas, Nevada, 2013.

94. Case presentation of Prolidase Deficiency treated with a non-curative Bone Marrow transplantation followed by subcutaneous gammaglobulin, OMED, Las Vegas, Nevada, 2013.
95. Mixed Connective Tissue Disorder-Associated Trigeminal Neuropathy successfully treated with IVIgG. Megan Betteley, Haig Tcheurekdjian, Erin Toller, R. Hostoffer. Clinical Immunology Society, Baltimore, MD, 2014.
96. Cerebral Aneurysm in a 12-year-old Male with a STAT3 Mutation. Yoon Kim, et al. ACOI, Baltimore, 2014
97. Immune mediated anaphylaxis to IVIgG: A proven method of Desensitization. Jason Casselman, et al, ACOI, Baltimore, 2014.
98. Idiopathic Anaphylaxis Associated with an Anaphylactic Reaction to Omalizumab. Ali Saad, et al. ACOI, Baltimore, 2014.
99. A Case of Subcutaneous Gammaglobulin Therapy Complicated By MRSA Abscess Requiring Surgical Intervention: AAAAI, Houston, Tx. J. Allergy Clin. Immunol. 2015; 135 (2): AB94
100. A case of STAT1 mutation and JC virus. AAAAI, Houston, Tx J. Allergy Clin. Immunol. 2015; 135 (2)
101. Biomarkers for CIU and IA: ACAAI 2015
102. Pancreatitis and STAT1 mutation: ACAAI 2015
103. Thromboembolic Stroke: A Sequela of Hymenoptera Venom-induced Anaphylaxis: ACAAI, 2015, November.
104. Contact Dermatitis Caused by Kissing a Corpse: ACAAI, 2015, November.
105. CVID and Recurrent Skin Cancers: CIS, 2016, Boston.
106. Hypogammaglobulinemia and Complement Deficiency, CIS, 2016, Boston.
107. Identical twins handling peanut allergen in a non-identical manner: Case Medical Center Research Day, May 2016.
108. CVID and Pemphigoid, ACOI 2016, California
109. Pumpkin Seed Anaphylaxis, AAAAI 2016.

110. Influence of Winter Weather on the Pollen Season in Northeast Ohio: San Francisco, CA; ACAAI, 2016

111. Common variable immunodeficiency presenting as recurrent ascending Cholangitis: San Francisco, CA; ACAAI, 2016.

112. Asthma readmission rates in community based hospitals: Washington DC, 2016

PRESENTATIONS:

1. Increased Fc α R expression and IgA mediated function of neutrophils induced by chemottractants, SPR April 1992.
2. Primary Immunodeficiency, ACOP National meeting, Baltimore, Maryland, 1992.
3. Enhancement of Fc α R expression and IgA mediated function in PMN by TNF and in vivo and in vitro, SPR, Baltimore, Maryland, April 1993.
4. Enhancement of Fc α R expression and IgA mediated function in PMN by TNF and in vivo and in vitro, FASEB summer session, Vermont August 1993.
5. Hostoffer, RW, Walenga, I., Krukovets, and Berger M: Enhancement of IgA Mediated PMN LTB₄ Production by TNF α . Seventh Annual North American CF Conference Dallas, Texas – October 1993.
6. Transient Profound Immunodeficiency associated with high Dose Oral Steroid Therapy. Texas-October 1993.
7. Complications of Immunodeficiencies, IDF Cleveland Chapter, April 1994.
8. The Effects of PAF and TNF α on PMN Fc α R expression and IgA-mediated Functions, SPR, Seattle, Washington, May 1994.
9. Propionic Acidemia Associated with B Cell Lymphopenia, Primary Immunodeficiency sponsored by World Health Organization: Orvieto, Italy, 1994.
10. Childhood Allergies, Channel 5 WEWS, Cleveland, 1994.
11. Characterization of a 60KD protein on the surface of human neutrophils (PMN) that binds secretory IgA. FASEB, Atlanta, 1995.
12. Characterization of a 60KD protein on the surface of human neutrophils (PMN) that binds secretory IgA. San Francisco, 1995.
13. FDA subcommittee on blood products. Washington D.C., 1997.

14. Advances in the Treatment of Pediatric Infections. Rocky River, Ohio, 1998.
15. The Management of Respiratory Infections, Spring 1998 CME Conference, sponsored by University Hospitals of Cleveland, 1998.
16. Hyper IgM and Disseminated Histoplasmosis, M & M at University Hospitals of Cleveland, April 1998.
17. Pediatric Core Conference, Doctors Hospital, Columbus, OH April 1, 1998.
18. Children as compromised hosts, Mechanisms of Infection, Case Western Reserve University School of Medicine, May, 1998.
19. An Update of Rheumatic Diseases, American College of Osteopathic Pediatricians, May, 1998.
20. Why is My Child Always Sick? Immune Deficiency Syndromes. American College of Osteopathic Pediatricians, May, 1998.
21. What's New In Immunodeficiency Syndrome. Pediatric Grand Rounds, Rainbow Babies & Children's Hospital, June, 1998.
22. RSV Immunoprophylaxis, ACOP National meeting 1998, Washington, D.C.
23. Conference call IDF and FDA – Gammaglobulin Shortage, October 1998.
24. RSV Prophylaxis in Immunodeficient patients, October 1998. Villa D Borelli.
25. What's new in Immunodeficiency Syndromes. 1998, Penn State, PA.
26. Testify at FDA ref. IVIGG Shortage, Washington, D.C., December 1998.
27. Links between IgA deficiency and common variable immunodeficiency. Breakfast Seminar, AAI 55th, Orlando, Florida, annual meeting 1999.
28. CD5/CD19 PID, May 20th, Children's Hospital of Detroit, Michigan, Grand Rounds, 1999.
29. Pneumococcal disease, #1 Killer among Vaccine Preventative Diseases, March 14, 2000. Geauga Hospital, Ohio.
30. Pneumococcal Vaccines, July 1999, Indiana.
31. Why is my child always sick? A Review of Primary Immunodeficiencies, April, 2000, Society of Allergy and Immunology of the Dominican Republic, Santo Domingo, Dominican Republic.

32. A review of Primary Immunodeficiencies: Metro Health Hospitals, Grand Rounds, April 2000.
33. Pollenosis : Family Practice Residents University Hospitals, Cleveland, 2000
34. Update on Immunizations: Ohio Osteopathic Association Annual meeting, 2000
35. Guidelines for Allergic Rhinitis and Workshop: ACOP Spring Convention, 2000
36. Abstract, Posters and papers, oh my: Students lecture, ACOP Spring convention 2000.
37. Primary Immunodeficiencies: Grand Rounds, Tod Children's Hospital, Youngstown, Ohio. December 2000.
38. Third Annual Update on RSV, Dallas, Texas. "Respiratory Infections in patients with Primary Immune Deficiencies", October, 2000
39. Pennsylvania Society of Health-System Pharmacists: "Primary Immunodeficiencies and IVIgG, November, 8, 2000, Erie Pa.
40. Cleveland Academy of Family Physicians; Fifteenth Fall Educational Seminar and annual meeting, Pediatric Allergic Rhinitis, November 8, 2000.
41. Cleveland Academy of Osteopathic Medicine, Primary Care Update, Varicella Vaccination Update: January 19-20, 2001
42. Grand Rounds: St Vincent's Hospital, Indianapolis, Indiana, December 19, 2000. Primary Immunodeficiencies.
43. Pediatric Resident core lecture, Primary Immunodeficiencies, Food Allergy, Doctors Hospital, Columbus, Ohio Jan 17, 2001
44. Mid South Journal Club-Teleconference (Merck), Lead Reviewer-Varicella vaccine. Jan 17, 2001.
45. Cleveland Academy of Osteopathic Medicine, Allergic Rhinitis, January, 20, 2001.
46. Recurrent *Mycobacterium avium* Osteomyelitis Associated with a novel Interferon Gamma Receptor Mutation. Vilella A, Picard C, Jouanguy E, Popko S, Abughali N, Casanova JL, Hostoffer R W. AAAI, 2001, New Orleans.
47. Allergic Rhinitis, National Physician's Assistants Meeting, Cleveland, Ohio, Feb. 2001.

48. Primary Immunodeficiencies; MetroHealth Hospitals, Grand Rounds, June, 2001.
49. The need for immunizations, Consortium for healthy & immunized communities-quarterly meeting, Lakewood, Ohio, June 2001.
50. Allergies, Channel 5 News, June 14, 2001.
51. Grand Rounds: St Vincent's Hospital, Indianapolis, Indiana, July 17, 2001. Primary Immunodeficiencies.
52. 12th Annual West Side Seminar, Cleveland Academy of Osteopathic Medicine, Allergy/Asthma one disease, Cleveland, Ohio, August 15, 2001.
53. Grand Rounds; Riverside Methodist Hospital, Columbus Ohio, Asthma Therapeutic, October, 2001.
54. Primary Immunodeficiencies, Pennsylvania Pharmacologist Society, Seven Springs, Pa, October 2001.
55. Pediatric Allergy/Immunology, Richmond Heights Hospital, Cleveland, Ohio, November 12, 2001.
56. Immunology, who needs a booster, Consortium for Healthy & Immunized Communities annual meeting, Independence, Ohio, November 7, 2001.
57. Anaphylaxis, angioedema, urticaria, ACOP annual fall meeting, Cleveland, Ohio. November 10, 2001.
58. A Night at the Orchestra, Nebulized Corticosteroids, ACOP annual fall meeting, Cleveland, Ohio, November 10, 2001.
59. Pediatric Allergy/Asthma. Richmond Heights Hospital, Resident/Intern/Student morning report, November 12, 2001.
60. Pediatric Rheumatological disorders. Richmond Heights, Resident/Intern/Students, January, 2002.
61. Primary Immunodeficiencies, Richmond Heights Hospital, Residents/Interns/Students, January, 2002.
62. IVIgG and the patients that use it, Philadelphia, PA. January 16,2002.
63. Allergy Update, Cleveland Academy of Osteopathic Medicine, Beachwood, Ohio, January 2002.

64. Anaphylaxis, Medicine/Pediatric residents noon conference, University Hospitals, Cleveland, Ohio, February, 2002.
65. Primary immunodeficiencies, Grand Rounds, Medical College of Ohio, Toledo, Ohio. February, 2002.
66. Tumor Necrosis Factor, Local physicians, 2002.
67. CD5 PID, Further Characterization. AAAAI National Conference, New York, March 5th, 2002.
68. Atopic Dermatitis. Richmond Heights, Ohio, March 18th, 2002.
69. Primary Immunodeficiency. ACOP national spring conference, Washington, DC. March 20th, 2002.
70. Chronic Gut infections, The Oley Foundation, April 27th, 2002, Columbus, Ohio.
71. Allergy Update, Indianapolis, Indiana Osteopathic Ass. May 3rd, 2002.
72. Immunology Update; Cleveland Clinic Allergy Fellows, May 7, 2002.
73. Desensitization; Richmond Heights Family Practice Residents, May 17,2002.
74. Allergy/astma/ezema, Philippine Pediatric Medical Society Annual Meeting, 3 hour lecture, Cleveland, Ohio, August 2002.
75. What's new in Primary Immunodeficiencies, IDF Ohio Chapter, Case Western Reserve Farms, 2002.
75. The evaluation of patients with recurrent infections, Cleveland Academy of Allergy, Cleveland, Ohio, Sept. 2002.
76. What's new in Primary Immunodeficiencies, IDF Chapter, Kansas City, Mo, Aug, 2002.
76. Primary immunodeficiency, Richmond Heights Hospital, Grand Rounds, September 17, 2002.
77. Spectrum of disease, University Hospital, Family Practice Residents, September 19,2002.
78. Pediatric Atopic Asthma, ACOP National Meeting, Las Vegas, Nevada. October 8, 2002.
79. Food Allergies, University Suburban Health Center community lecture, October,

- 2002.
80. Stinging Insects, Morning Report-University Hospital/Richmond Heights, October, 2002.
 81. Food allergies, Morning Report-South Point Hospital/Cleveland Clinic, November, 2002.
 82. Winter Allergies- Illinois Osteopathic Association annual meeting, December 6, 2002.
 83. Insect Sensitivity- Cleveland Osteopathic Association, Winter Conference, January, 2003.
 84. Kaleidoscope, Channel 5, TV, Allergic disorders, December 14, 2002.
 85. CD5 PID, Bacteriophage Characterization, AAAAI National Conference, Denver, 2003. (mentored medical student lecture).
 86. Recognition of Primary Immune Deficiencies, Jeffery Model foundation Conference, June 14, 2003.
 87. Primary Immunodeficiency Review, Richmond Heights Hospital, Morning Report. March 18,2003.
 88. Food Allergy, Richmond Heights Hospital, Morning Report, May 13, 2003.
 89. Desensitization, Southpoint Hospital, Noon Conference, April, 2003.
 90. Allergic Rhinitis, USHC, Noon Conference, April, 2003.
 91. Allergy Workshop, 2 hour symposium, June, 2003. Columbus, Ohio. Family Practice Residents.
 92. Immunity and Respiratory Infections in Rubenstein-Taybi Syndrome. National RTS Conference, July, 2003.
 93. Anaphylaxis. Pediatric morning conference, Richmond Hospital, August, 2003.
 94. Differentiating Allergies from Migraine, CAOM, Membership Meeting, 2003.
 95. Smallpox,Monkeypox and chickenpox, Annual West CME, CAOM, Septmeber, 2003.
 96. RSV and Croup, Grand Rounds, Richmond Heights Hospital, October 2003.

97. Pediatric fluids, Pediatric Tuesday lecture, Richmond Heights, December, 2003.
98. Allergy Review, CAOM, January, 2004
99. Desensitization, Family Practice Residents lecture, University Hospital, January 2004.
100. Primary immunodeficiency, Richmond Heights Grand Rounds, February, 2004.
101. Allergy Review, Ashtabula Medical Society Meeting, March 2004.
102. Prevalence of Allergic Rhinitis, March 2004, FM 95.5
103. Immunizations and the PID patient. IDF Regional Family Retreat, 2004. Woodloch Pines Resort, Pa.
104. Allergy Update. Family Practice Residents, UH. April, 2004.
105. Lower Respiratory disorders, ACOP national meeting, Boston, Mass. April 2004.
106. Primary Immunodeficiencies, ACOP national meeting, Boston, Mass. April 2004.
107. Immunization update, Richmond heights morning report, May 2004.
108. The evaluation of a child with suspected immune deficiency. 6th annual Pediatric Symposium, Forum Health, Youngstown Ohio, Jun2 2004.
109. Immunodeficiency and reimbursement. American Red Cross. New Orleans, June 2004.
110. Food allergy, Phillipino Pediatric society, July, 2004.
111. Allergic rhinitis and asthma, Phillipino Pediatric Society, July 2004.
112. Primary Immunodeficiency, Phillipino Pediatric Society, July 2004.
113. Anaphylaxis, Richmond Heights Hospital Morning Report, July 2004.
114. Fall asthma, Radio broadcast, the Fish, Sept 17th, 2004.
115. Pediatric asthma, Richmond Heights Grand Rounds, Sept 15th, 2004
116. Ezema, Richmond Heights Grand Rounds, Nov, 2004.

117. RSV Prophylaxis, Fairview park and West Lake Hospital Staff meeting, December, 2004.
118. Primary Immunodeficiency, Richmond Hospital Grand Rounds, Jan, 2005.
119. Allergic Rhinitis, Fischer-Titus Medical Center Spring CME, March 2005
120. Allergic Rhinitis, University Hospital Family Practice Seminar, March 2005
121. H-1 receptor antagonist review, Richmond Heights Hospital grand rounds, March 2005
122. Asthma-ACT review, Richmond Heights grand rounds, April, 2005.
123. Ease your allergies, Cuyahoga Community College, April, 2005.
124. Desensitization, Richmond Heights Grand Rounds, May, 2005.
125. Asthma, Past and Present, Third annual Scientific Meeting, Dept Family Practice, University Hospital, June, 2005.
126. Outpatient asthma care, Richmond Heights Grand Rounds, July,2005.
127. PM, DM, IBM and IVIgG. Cleveland Myositis Group, August, 2005.
128. Allergic Rhinitis, Willard Mercy Hospital Grand Rounds, August 22,2005.
129. Allergy Theory and Skin Testing, FP RPAC Educational Day, Ohio University, September, 2005.
130. Asthma, Allergic conjunctivitis and Atopic Dermatitis, The Philippine Pediatric Society, Ohio Chapter, October 23, 2005.
131. Contemporary Issues in the Management of Ocular Allergies, East/West Eye Conference, Cleveland Convention Center, October 29, 2005.
132. Angioedema, Morbidity and Mortality conference, University Hospital, Lakeside, Internal Medicine, December 16,2005.
133. Primary Immunodeficiency, Richmond Heights Grand Rounds, January, 2006.
134. Immune Deficiency Foundation; IgIV Reimbursement Rountable, AAAAI Conference, March 5, 2006.
135. Sneezers and Wheezers; The Philippine Pediatric Society in America, Ohio

- Chapter, Spring Fest, March 26, 2006.
136. Allergic Rhinitis: Southpoint Family Practice Morning Report. April, 2006.
 137. Allergic Rhinitis: Cleveland Academy of Osteopathic Medicine, Membership Meeting, April, 2006.
 137. Pediatric Rheumatology; Richmond Heights Grand Rounds, May, 2006
 138. Infusional therapy: Physician's radio network- 1 hour program, FISH radio May,2006.
 138. Allergic Rhinitis: Physician's radio network-1 hour program-1420 AM, June 18, 2006.
 139. Primary Immunodeficiencies; 108th Ohio Osteopathic Convention, Sandusky, Ohio, June 24th, 2006.
 140. Primary Immunodeficiency; Columbus Allergy Society, Columbus, Ohio July, 2006.
 141. Allergic Rhinitis/asthma; Doctors Hospital Pediatric Residency Journal club, Columbus, Ohio, August, 2006.
 142. B cells; ID fellow conference at RB&C, August, 2006.
 143. T cells; ID fellows conference at RB&C, September, 2006.
 144. Allergy diagnosis; Family Practice RPAC Educational Day, Columbus, Ohio, September 6th, 2006.
 145. Neutrophils; ID fellows conference at RB&C, September, 2006.
 146. Complement; ID fellows conference at RB&C, September, 2006.
 147. Old and new therapies for the child with uncontrolled asthma, Las Vegas, Nevada. AOA/ACOP National Meeting, October, 2006.
 148. Evaluation of the child with persistent allergies, Las Vegas, Nevada. AOA/ACOP National Meeting, October, 2006.
 149. Anaphylaxis, Richmond Heights Grand Rounds, Oct. 2006.
 150. Primary Immunodeficiency, Grand Rounds, Giesinger Medical Center, Danville,Pa. Oct. 2006.

151. Mitochondrial disease and gammaglobulin, United Mitochondrial Foundation Meeting, Solon, Ohio, Nov, 2006.
152. Bronchiolitis, Richmond Heights Hospital Grand Rounds, November, 2006.
153. Ezema, Richmond Heights Hospital Grand Rounds, December, 2006.
154. Anaphylaxis, St John West Shore Hospital Grand Rounds, December 2006.
155. Pediatric Rheumatology, Richmond Heights Medical Center Grand Rounds, January, 2006.
156. Allergic Rhinitis, Primary Care Symposium, Lake Hospital System, Jan, 2006.
157. Food allergies, Primary Care Symposium, Lake Hospital System, Jan, 2006.
158. Pediatric OMT, Richmond Heights Hospital, Feb, 2006.
159. Pediatric Allergy, Southpoint Hospital Grand Rounds, Feb 2007.
160. Primary Immunodeficiency, Richmond Hospital Grand Rounds, Feb, 2007.
161. Relief from allergies, Cuyahoga Community College, Parma Campus, April 12, 2007.
162. Relief from allergies, Cuyahoga Community College, Metro Campus, April 12, 2007.
163. Allergic Rhinoconjunctivitis vs Non-allergic Conjunctivitis and Tools to Make The Diagnosis and Treatment. The Philippine Pediatric Society in America, Ohio Chapter. April,22,2007.
164. To fill the tank. ZLB Mangers meeting, Delray, Florida, May, 2007.
165. Insect Hypersensitivty, Richmond Heights Hospital Grand Rounds, May, 2007.
166. Food allergy, Southpoint Grand Rounds, June, 2007.
167. Allergy theory and testing, R-PAC Ohio University, Columbus, Ohio, Sept,2007.
168. Primary Immunodeficiencies, Richmond MC Grand Rounds, August, 2007.
169. Complement deficiencies, Rainbow ID fellows, Sept, 2007
170. Scopolamine anaphylaxis, M&M, UH main campus, Dec 2010.

171. Food Allergy, Alaska Osteopathic Medical Association, Seward AK, July 2011
172. Anaphylaxis, Alaska Osteopathic Medical Association, Seward AK, July 2011
173. Insect Hypersensitivity, Alaska Osteopathic Medical Association, Seward AK, July 2011
174. Allergy Review, Philipino Pediatric Society, June 2011.
175. Allergy theory and testing, R-PAC, Ohio University, August, 2008-11
176. Allergy Internal Medicine Board review, Pontiac Osteopathic Hospital, Pontiac, Michigan, October, 2011
177. Review of PID Labs, IDF patient conference, Cleveland, Ohio.
178. Food Allergy; AOA meeting, Orlando Florida, Oct. 2011.
179. Rowing and OMT, CAOM, 2012, Independence, Ohio
180. Basketball and OMT, CAOM, 2012, Independence, Ohio
181. Anaphylaxis, OOA, 2012, Columbus, Ohio
182. Insect Hypersensitivity, ACOP Spring Meeting, Memphis, TN
183. CVID, Southpoint Hospital Grand Rounds, April 2012, Cleveland, Ohio
184. Allergy Board IM Board Review, POH, Pontiac, Michigan, August 2012.
185. Allergy theory and testing, R-PAC Ohio University, Columbus, Ohio, Sept,2012.
186. Pollen 101. AOA/ACOP, San Diego, Cal. Oct. 2012
187. Primary Immunodeficiency. AOA/ACOP, San Diego, Cal. Oct. 2012
188. Migraine POMT. NMSA, Cleveland, Oct. 2012
189. Cleveland IDF meeting, Q&A, October 2012.
190. Anaphylaxis, Botsford Hospital, Grand rounds, Michigan, Jan 2013
191. Food allergy, Botsford Hospital, Grand rounds, Michigan, Jan 2013
192. Anaphylaxis, CAOM annual meeting, Independence, Ohio, Jan 2013

193. Immunization update, CAOM annual meeting, Independence, Ohio, Jan 2013
194. POMT, Migraine, CAOM annual meeting, Independence, Ohio, Jan 2013
195. Immunodeficiencies and Dental disease. Nova Southeastern University, Florida, Feb. 1st, 2013.
195. Migraine and OMT. ACOP, Columbus, Ohio, April, 2013
196. Primary Immunodeficiencies, Henry Ford Hospital, Grand Rounds, Michigan, August, 2013.
197. Primary Immunodeficiencies, Pontiac Osteopathic Hospital, Board review, Pontiac, Michigan. Sept, 2013
198. Insect Hypersensitivities, Pontiac Osteopathic Hospital, Board review, Pontiac, Michigan. Sept, 2013
199. Anaphylaxis, Pontiac Osteopathic Hospital, Board review, Pontiac, Michigan. Sept, 2013
200. Primary Immunodeficiencies, ACOI national meeting, Palm Springs, Cal
201. Pediatric OMT above the neck, CAOM, Cleveland, Ohio 2014
202. Pediatric OMT for sports applications. CAOM, Cleveland, Ohio 2014.
203. "Rural Tract Pediatric Residencies" RTT Conclave, Athens's Ohio 2014.
204. Things that look like asthma. ACOI, Baltimore, 2014.
205. Anaphylaxis. Mcleron Hospital, Board Review IM, Pontiac, Michigan, 2014
206. Primary Immunodeficiency. Mcleron Hospital, Board Review IM, Pontiac, Michigan, 2014.
207. Eosinophilic Eosphagitis. Mcleron Hospital, Board Review IM, Pontiac, Michigan, 2014
208. Migraine and OMT: CAOM , January 2015, Cleveland, Ohio
209. Things that look like asthma, Botsford Hospital Grand Rounds, Michigan 2015.
210. Migraine and OMT:ACOP, April 2015, Fort Lauderdale, Florida

211. Primary Immunodeficiencies: Review and Diagnostic Approach, October 2015, Orlando, Florida. AOA OMED.
212. Writing a Good Abstract and Presenting Your Research; October 2015, TOPCE AOA OMED; Orlando, Florida.
213. Primary Immunodeficiency: Board Review: Maclellin Hospital system, Pontiac, Michigan, December, 2015.
214. Anaphylaxis: Board Review: Maclellin Hospital system, Pontiac, Michigan, December, 2015.
215. OMT for Respiratory Tract: CAOM January Conference, Cleveland, Ohio, January 2016.
216. Venom allergy; ACOP, April 2106, Phoenix.
217. Migraines and OMT, April 2016, Phoenix
218. Sports and OMT, April 2016, Phoenix
219. Chronic Ill Children and OMT, Phoenix.
220. Scholar 7: ACOI's 2016 Congress on Medical Education for Resident Trainers May 2016, Savannah, Georgia.
221. Anaphylaxis, Urgent Care Society, September 2016, Atlanta, Georgia.
222. Translational Immunology: ACOI, October 2016: Palm Desert California.

Sited:

1. Living without, a lifestyle guide for people with food and chemical sensitivities. Winter 2001, page 14-17.

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Dey Corporation ASAP Speakers' Bureau

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Clinical Studies:

Bayer Study: IVIG-Chromatography (IVIG-C) Bioequivalence study, Prtotcol #100152
Co-PI, 1998-1999.

Nordimmune IGIV Treatment and Efficacy Study 1999-2001

Aventis Behring Subcutaneous Ig Efficacy study 2000-2001

GlaxoWellcome Study SAS40021 A randomized, Double-Blind, Double dummy, Parallel Group, 12 week comparative trial of salmeterol/fluticasone propionate combination product 50/100mcg BID via the diskus inhaler versus oral montelukast 10mcg QD in adolescent and adults with persistant asthma. 1999-2000.

Journal Reviewer for:

Journal of Allergy and Clinical Immunology

The Journal of Chest Physicians

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