

Asif Rafi, MD
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Education

Allergy & Immunology Fellowship, VA Medical Center/UCLA Program; 2002-2005

Special Fellowship in Advanced Geriatrics and Immunology, UCLA/ VA Medical Center, Division of Geriatrics and Gerontology, Los Angeles, California, 2003-2005

Geriatric Medicine Fellowship, UCLA, Los Angeles, California, 2002-2003

Internal Medicine Residency, Johns Hopkins University Medical Center /Sinai, Baltimore, MD, 1998-2001

Doctor of Medicine, Howard University College of Medicine, Washington, DC, May 1998

Graduate Courses in Molecular Biology and Human Physiology, University of Maryland at Baltimore, 1993-1994

Bachelor of Science Biology, University of Maryland at College Park, College Park, Maryland, December 1992

Professional Organizations

Fellow American Academy of Allergy, Asthma, and Immunology

Fellow American College of Allergy, Asthma, and Immunology

Member, Los Angeles Society of Allergy, Asthma, and Clinical Immunology

Member American Geriatrics Society

Certification

Board Certification – Internal Medicine (2002-2012)

Board Certified – Geriatrics and Gerontology

Board Certified – Allergy and Immunology

Professional Experience

September 2014 – Current – CEO Asif Rafi, MD Inc.

Academic private practice physician. Currently managing more than 6500 adult and pediatric patients with allergic and immunologic diseases. I also subspecialize in the treatment of chronic rhino-sinusitis, food allergy, allergic bowel disorders, and allergic skin disorders. Evaluations include skin prick and intradermal allergy testing, patch skin testing, nasal endoscopy and laryngoscopy, drug compounding, food challenges, medication assessments, administration of a variety of biologic medications in office, drug desensitization, spirometry, FeNO testing, routine allergy immunotherapy (SCIT), cluster and or rush immunotherapy, and medical expert opinion.

As the managing partner physician, I am also responsible for full bookkeeping, entering and reconciling all accounting in Quickbooks, and EMR/database management.

July 2005 – December 2021

VA Greater Los Angeles Healthcare System/UCLA School of Medicine

Allergy and Immunology Fellowship Program, Los Angeles, California

Associate Clinical Professor of Medicine

Associate Clinical Professor of Medicine at UCLA and Greater LA VA Medical Center - Actively involved with clinical research, Board Certification reviews, and the demonstration and instruction of

patch testing, rhino-laryngoscopy, skin testing, and other procedures within the fellowship. Actively involved with maintaining Residency Review Committee (RRC) requirements and updating program policies.

July 2005 – September 2014

Asthma and Allergy Care Center, Los Angeles, California

Chief Operations Officer; Name Partner Physician

Full time academic private practice physician. Patient demographics were an equal pediatric & adult population. Large research focus with 3 active clinical trials. Clinical trials include a prospective and retrospective analysis of the pathophysiology and treatment outcomes of allergic diseases in more than 200 Omalizumab patients, and the PROSPERO Study. Responsible for teaching rotating residents and fellows. Proficient in procedures including prick and intradermal allergy skin testing, allergic contact dermatitis/patch testing, rhino-laryngoscopy, drug desensitization, spirometry, administration of Omalizumab, cluster or rush Immunotherapy, drug compounding, and antigen preparation.

July 2002 – June 2005

Greater Los Angeles Healthcare System/UCLA Program, Allergy and Immunology Fellow, Los Angeles, California

Three year clinical and research fellowship focusing on allergic disorders, asthma, immunologic disorders, and immunodeficiency diseases. The fellowship requires specialized training in pediatric immunodeficiencies, HIV, and atopic disorders. Includes clinical research studying the epidemiology of asthma, chronic sinusitis, and the influence of co-morbidities on cell-mediated immunity. Completed an IRB approved phase I research protocol assessing the management and outcomes of the medical versus surgical treatment of chronic sinusitis.

July 2003 - June 2005

University of California, Los Angeles, Los Angeles, California,

Special Fellowship in Advanced Geriatrics

Combined clinical and research fellowship. Completed a two-year special fellowship in Advanced Geriatrics. Completed a basic and clinical science research project that investigated the immune response in the frail elderly. Was responsible for supervising and teaching Geriatric Fellows, Medical Residents, and medical students with inpatient and outpatient Geriatric care. Also provided geriatric consultation service for the Greater Los Angeles West LA VA Hospital.

July 2002 - June 2003

University of California, Los Angeles, Los Angeles, California

Geriatric Medicine Fellowship

Clinical and research fellowship completed at UCLA which studied all of the aspects of Geriatric care and Gerontology. Involved 10 months of clinical rotations, inpatient and outpatient consultations, basic and clinical research, and intense training involving rehabilitation and reconditioning. Extensive experience with drug interactions and dosing of Geriatric medications. Obtained expert training in the multi-disciplinary approach to medical care of the elderly patient.

October 2000 – June 2002

Patient First, Baltimore, Maryland, Physician

Provided urgent, emergent, and primary care to a working class community in Baltimore, Maryland. Patient population included adult, geriatric, and pediatric population. Responsibilities included allergy immunotherapy (IT), treating anaphylaxis, treating and triaging major and minor trauma, primary care, complete disability evaluations, and routine gynecologic issues.

July 2000-June 2002

Mid Atlantic Asthma and Allergy, Baltimore, Maryland, Clinical Research Associate

Assistant researcher in a clinical research program to screen, examine, and enroll patients into Allergic Rhinitis and Asthma research protocols. Responsibilities also included patient continuity, follow up, and patient education. Also responsible for monitoring allergy injections and immunotherapy patients.

June 1998-June 2001

Johns Hopkins University/Sinai Baltimore, Maryland, Internal Medicine Residency

Three year curriculum in internal medicine emphasizing general internal medicine as well as subspecialties including geriatrics, gerontology, cardiology, oncology, pulmonary and critical care, infectious diseases, allergy and immunology, and neurology. Extensive 3 month clinical research rotation in Allergy and Immunology completed. Completed 1 major manuscript and attended (per invitation) 1 national meeting with poster presentation. The residency includes 14 months of medical floors, 4 months of intensive care unit, 3 months of coronary care unit, 8 months of elective, 2 months of progressive cardiac care, 3 months of emergency medicine, and 1 month of hematology/oncology.

Summer 1996

Johns Hopkins University - Baltimore, Maryland, Research Fellow, National Institutes of Drug Abuse/National Institutes of Health

Conducted clinical trials to investigate the pharmacological effects of cocaine metabolism on the heart and the brain in chronic cocaine addicts. Studied the electrophysiological effects of cocaine on the heart using signal averaged electrocardiograms and holter monitors. Assessed the psychological effects of high dose cocaine in cocaine addicts using questionnaires and surveys. Also studied the effects of cocaine on the blood flow to the brain using positron emission topography (PET) scanning techniques.

Summer 1995

University of Maryland Medical System, Baltimore, Maryland, Research Fellow, Department of Pathology

Investigated the role of flk-1 in a murine model to study its effects on angiogenesis and tumor progression. Techniques and devices used included tissue culturing, immunological assays, mini-prep, RIA, gel electrophoresis, PCR, and developing a suitable delivery system for the effective use of vectors.

December 1992 – August 1994

Georgetown University Medical Center, Washington, DC, Senior Research Associate, Division of Infectious Diseases, Immunodeficiencies, and HIV Clinic

Completed a 2 year epidemiologic study on the effects of HIV in women in the DC Metropolitan Area. Initiated an AIDS Clinical Trials Unit (ACTU) at the medical center in 1992. Assisted in running several HIV/AIDS clinical trials, designing and implementing research protocols, patient outreach, and patient education for disease prevention and continuity. Completed a thorough database on all of the HIV/AIDS patients in the DC Metropolitan Area. Co-authored the Women's Interagency HIV Study (WIHS) Grant (Sum of \$16 million) which was awarded to the HIV and Immunodeficiency Clinic at Georgetown University in 1993.

Summer 1992

Georgetown University Medical Center, Washington, DC, Research Internship, Division of Infectious Diseases, Immunodeficiencies, and HIV Clinic

Assisted in starting and running an AIDS Clinical Trials Unit (ACTU). Included patient screening, patient education, and assisting in the follow up of study patients. Helped to monitor study patients to ensure protocol guidelines were followed as well as to assess patients' clinical status while studies were ongoing. Also acted as a liaison between the five other regional ACTU sites.

June 1992 – September 1996

Georgetown University Medical Center, Washington DC, Volunteer, Division of Infectious Diseases, Immunodeficiencies, and HIV Clinic

Assisted in patient education for disease prevention and control. Also assisted with patient triaging and scheduling.

January 1992 – May 1992

University of Maryland at College Park, College Park, Maryland, Student Researcher,
Department of Biology

Responsible for designing new experiments in the field of cell biology and physiology to help write a new laboratory workbook for the Cell Biology and Physiology Course. Included dissecting and preparing frog muscles to examine their resulting action potentials in response to various stimulants. Also studied the action potentials of leech everter muscles. Techniques and devices used included immunological assays to study muscle physiology.

Publications/Research

Parikh N, Abernathy L, Rafi AW, Klaustermeyer WB. Opportunistic Candidiasis in a Patient with Crohn's Disease. ACAAI meeting 2014.

Benouni S, Do LT, Sheinkopf LE, **Rafi AW**, Katz RM. Acquired Angioedema Secondary to T-cell Lymphoproliferative Disorder. ACAAI meeting 2013.

Rafi AW, Katz RM. Pilot Study of 15 Patients Receiving a New Treatment Regimen for Androgenic Alopecia: The Effects of Atopy on AGA. ISRN Dermatology, Volume 2011, Article ID 241953, 11 pages.

Rafi AW, Do LT, Katz RM, Sheinkopf LE, Simons CW, and Klaustermeyer WB. Effects of Omalizumab in Patients with Food Allergy. Allergy and Asthma Proceedings, Jan-Feb 2010, 31(1): 76-83.

Sheinkopf LE, **Rafi AW**, Do LT, Katz RM, and Klaustermeyer WB. Efficacy of Omalizumab in the Treatment of Atopic Dermatitis: A Pilot Study. Allergy and Asthma Proceedings, Sept-Oct 2008, 29(%): 530-37.

Do L, **Rafi AW**, Katz RM. Atopic Dermatitis: A Review and Evaluation of Treatment with Omalizumab. Current Medical Literature 2007; 12(3):63-70.

Castle SC, Uyemura K, **Rafi AW**, Akande O, Makinodan T. Co-morbidity is a Better Predictor of Impaired Immunity than Chronological Age in Older Adults. Journal of the American Geriatrics Society, September 2005, 53(9): 1565-69.

Rafi AW, Crawford WW, Klaustermeyer WB. Declining Cell-Mediated Immunity and Increased Chronic Disease Burden. Annals of Allergy, Asthma, and Immunology, April 2005, 94(4): 445-450.

Rafi AW, Castle SC, Uyemura K, Makinodan T. Impact of Age and Chronic Illness Related Immune Dysfunction on Risk of Infections. In: Yoshikawa TT, Ouslander JG, editors. Infection Management for Geriatrics in Long Term Care Facilities. New York: Marcel Dekker Inc; 2004. pp 33-48.

Rafi AW, Castle SC, Uyemura K, Makinodan T. Immune Dysfunction in the Elderly and its Reversal by Antihistamines. Biomedicine and Pharmacotherapy, 2003; 57:246-250.

Rafi AW, Matz J. An Unusual Case of *Campylobacter jejuni* Pericarditis in a Patient with X-linked Agammaglobulinemia. Annals of Allergy, Asthma, and Immunology, 2002; 89:362-367.

Rafi AW, Matz J. An Unusual Case of *Campylobacter jejuni* Pericarditis in a Patient with X-linked Agammaglobulinemia. Poster, American Academy of Allergy, Asthma, and Immunology, Johns Hopkins University/Sinai Training Program. March 2001

Rafi AW, Matz J. An Unusual Case of *Campylobacter jejuni* Pericarditis in a Patient with X-linked Agammaglobulinemia. Abstract, Journal of Allergy and Clinical Immunology, Feb 2001,107:2; S202

Rafi AW, Gorelick D. Signal Averaged Electrocardiograms in Chronic Cocaine Users. Johns Hopkins University Bayview Medical Journal. National Institutes of Drug Abuse, Summer 1996.

Rafi AW, Young M. Women's Interagency HIV Study. Georgetown University Medical Center, Division of Infectious Diseases and Immunodeficiencies, Research Grant Proposal, accepted July 1993.

Cowen E, **Rafi AW**. How To Teach Medical Students About HIV and AIDS. Georgetown University Medical Center Journal. Summer 1992.

Grants Funded

Women's Interagency HIV Study (WIHS). Supporting Author. Georgetown University Medical Center, Division of Infectious Diseases and Immunodeficiencies, Awarded July 1993.

Honors and Awards

American College of Allergy, Asthma, and Immunology – Research Honorarium, October 2001.
Johns Hopkins University/Sinai Training Program, ACP Meeting Delegate, Department of Medicine, Clinical Presentation, American College of Physicians Meeting, Baltimore, Maryland, May 2001.
Johns Hopkins University/Sinai, Resident Research Symposium – First Place, Original Research Project, Baltimore, Maryland, May 2001.

Johns Hopkins University/Sinai, Resident Research Symposium – First Place, Clinical Vignette Presentation, Baltimore, Maryland, May 2001.

Excellence in the Pursuit of Unusual Organisms, Johns Hopkins University/Sinai, Division of Infectious Diseases, June 2000.

Award for Excellence in the "Question of the Day" Contest, Johns Hopkins University/Sinai, Department of Medicine, June 1999.

Academic Honors – Howard University College of Medicine, 1994-1998.

University Scholar - Howard University College of Medicine, 1997-1998.

Intramural Research Training Award - Johns Hopkins University /National Institutes of Health, Summer 1996.

Maryland Distinguished Scholar - University of Maryland at College Park, 1989-1992.

Academic Honors/Dean's List – University of Maryland at College Park, 1990-1992.

General State Scholar - University of Maryland at College Park, 1990-1992.

Senatorial Scholar - University of Maryland at College Park, 1989-1992.

Presentations at Meetings/Abstracts/Posters

Rafi AW, Do L, Mangat R, Sender S, Katz RM. Efficacy of Omalizumab for the Treatment of Allergic Urticaria and Angioedema. Abstract and Poster. Presented at the American Academy of Allergy, Asthma, and Immunology (AAAAI) National Meeting. San Diego, CA February 2007.

Katz RM, Rafi AW, Mangat R, Do L. Efficacy of Omalizumab Using Extended Dose Intervals. Abstract and Oral Presentation. Presented at the American Academy of Allergy, Asthma, and Immunology (AAAAI) National Meeting. San Diego, CA 2007.

Rafi AW, Do L, Mangat R, Sender S, Katz RM. Efficacy of Omalizumab in Patient's with Atopic Dermatitis. Abstract and Poster. Presented at the American College of Allergy, Asthma, and Immunology National Meeting. Philadelphia, PA. November 2006.

Rafi AW, Do L, Mangat R, Sender S, Katz RM. Efficacy of Omalizumab in Patient's with Markedly Elevated IgE. Abstract and Poster. Presented at the American College of Allergy, Asthma, and Immunology National Meeting. Anaheim, CA, November 2005.

Rafi AW, Crawford WW, Klaustermeyer WB. Declining Cell-Mediated Immunity Is Associated with Increased Chronic Disease Burden. Presented at the American Academy of Allergy, Asthma, and Immunology National Meeting, San Francisco, CA, March 2004.

Rafi, AW, Crawford W, Klaustermeyer WB. Declining Cell Mediated Immunity is Associated with Increased Chronic Disease Burden. Poster Presentation at the American Academy of Allergy, Asthma, and Immunology National Meeting. San Francisco, CA, March 2004.

Rafi AW, Matz J. An Unusual Case of *Campylobacter jejuni* Pericarditis in a Patient with X-linked Agammaglobulinemia. Presented at the American Academy of Allergy, Asthma, and Immunology National Meeting, New Orleans, LA, March 2001.

Rafi AW, Matz J, Gambert Steven, First Reported Case of *Campylobacter jejuni* Pericarditis in a Patient with X-linked Agammaglobulinemia. Presented at the American College of Physicians Meeting, Baltimore, Maryland, May 2001.