

Richard Andrew Belkin, MD, MSCE FCCP

July 2021

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Work Address

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Education

8/89-5/93	B.A. in Biology at Brandeis University
8/93-5/97	M.D. at the Perelman School of Medicine University of Pennsylvania
9/02-12/04	Master's of Science in Clinical Epidemiology and Biostatistics, University of Pennsylvania School of Medicine

Postgraduate Training and Fellowship Appointments

6/97-6/98	Internship in Internal Medicine, Stanford Hospital, Stanford, CA
7/98-6/00	Residency in Internal Medicine, Stanford Hospital, Stanford, CA
7/01-12/04	Fellowship, Pulmonary and Critical Care Medicine, University of Pennsylvania Medical Center with advanced training in CF/bronchiectasis, Philadelphia, PA
2010	Advanced training in bronchoscopy with linear endobronchial ultrasound
2017	Advanced training in use of radial endobronchial ultrasound

Hospital and Administrative Appointments

7/00-6/01	Attending Physician, General Internal Medicine Willow Clinic, Menlo Park, CA (Stanford University Affiliated Clinic)
7/00-2/01	Hospitalist, Bay Inpatient Care Mills-Peninsula Health Services, Burlingame, CA
2002-2004	Interviewer, Medical School Applicants, University of Pennsylvania School of Medicine
2004-current	Attending Physician, Pulmonary and Critical Care Medicine, Cottage Health System
2004-2008	Staff pulmonologist, Sansum Santa Barbara Medical Foundation Clinic, Santa Barbara, CA
2005-2012	Co-director, Adult Cystic Fibrosis Program, Pediatric Diagnostic Center, Ventura, CA
2006-current	Clinical Assistant Professor of Medicine, Keck School of Medicine, University of Southern California, Los Angeles, CA

2007-2008	Chairman, Department Pulmonary and Critical Care Medicine, Santa Barbara Cottage Hospital, Santa Barbara, CA
January 2009-June 2017	Partner, Santa Barbara Pulmonary Consultants, Santa Barbara, CA
2012-current	Medical Director, Santa Barbara Cottage Hospital Cystic Fibrosis/Bronchiectasis Program
May 2014-December 2018	Formal Affiliate Center Accreditation by the CF Foundation, Santa Barbara Cottage Hospital CF Program
2013-current	Member Board of Directors, Santa Barbara Preferred Health Providers, a non-profit affiliation of independent physicians
2014-current	Member, Medical Advisory Panel, Santa Barbara Cottage Hospital, Santa Barbara, CA
July 2017-July 2018	President and Managing Partner, Santa Barbara Pulmonary Associates, Santa Barbara, CA
July 2018-current	Secretary and Managing Partner, Santa Barbara Pulmonary Associates, Santa Barbara, CA
December 2018-current	Formal Independent Adult Center Accreditation by the CF Foundation, Santa Barbara Cottage Hospital CF Program

Licensure

California - #A65997
DEA- # BB6044539

Board Certification

American Board of Internal Medicine, Diplomate in Internal Medicine, certified 2000, recertified 2010, Participating in maintenance of certification
American Board of Internal Medicine, Diplomate in Pulmonary Diseases, certified 2003, recertified 2013, Participating in maintenance of certification

American Board of Internal Medicine, Diplomate in Critical Care Medicine, certified 2004, recertified 2014, Participating in maintenance of certification

Grants

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| 7/03-6/04 | Third Year Clinical Research Award , Cystic Fibrosis Foundation |
| 7/03-6/04 | Individual National Research Service Award , National Institutes of Health (National Heart, Lung and Blood Institute) |

Awards, Honors and Membership in Honorary Societies

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| 1993 | Graduation from Brandeis University <i>cum laude</i> with Honors in Biology |
| 1996 | Selected into the Four Schools Physician-Scientist Program in Internal Medicine to conduct original research for one year on the role of HDL on early markers in atherosclerosis formation |
| 1998 | Gate Pharmaceuticals Outstanding Student Award, awarded to a graduating medical student who demonstrated excellence in performance and commitment to medicine |
| 2008 | Fellow, American College of Chest Physicians |
| 2012, 2013 | Named Top Doctor by US news and World Report Southern California 2012 and LA area 2013 |
| 2007, 2011, 2016, 2017 | Excellence in Teaching Award, Selected by the Internal Medical Residents, Santa Barbara Cottage Hospital |
| 2014 | Founder and Medical Director, Santa Barbara Cottage Hospital Affiliate Adult CF Program, Santa Barbara, CA |
| 2015 | Fellow American College of Physicians |
| 2016 | Outstanding Partnership Award, Santa Barbara Cottage Hospital Affiliate Program, awarded by the |

	Cystic Fibrosis Foundation at NACFC Orlando, Florida 2016
2017	Castle Connolly Regional Top Doctor in Pulmonary Diseases
2017	Recognition of Outstanding Service to the CF Community, LA Chapter of the CFF.
2018	Volunteer Partner of the Year Award, LA chapter CFF
July 2018-October 2019	Selection and Participation in CF Fun to One CF Learning Leadership Collaborative for Quality Improvement, sponsored by the CFF.
2018	Founder and Medical Director, Santa Barbara Cottage Hospital Independent Adult CF Program, Santa Barbara , CA
2019	Outstanding Partnership Award, Santa Barbara Cottage Hospital Adult Program, awarded by the Cystic Fibrosis Foundation at NACFC Nashville, Tennessee 2019
2020	Completion of the CF Virtual Improvement Program-Fundamentals (VIP-F) May 2020, sponsored by the CFF.
2021	Virtual Annual Volunteer Award, CFF, Los Angeles Chapter

Membership in Professional and Scientific Societies

American Thoracic Society
Fellow, American College of Chest Physicians
Santa Barbara County Medical Society
California Thoracic Society (CTS)
Fellow, American College of Physicians

Teaching Appointments

2000-2001	Supervision and teaching medical residents at Willow Clinic, Menlo Park, CA (Stanford University affiliated clinic)
2006-Current	Clinical Assistant Professor of Medicine, Keck School of Medicine, University of Southern California
2004-current	Supervising Attending, Teacher and Lecturer, Santa Barbara Cottage Hospital Internal Medicine Residency Program, Santa Barbara, CA

Recent Lectures:

September 2012	Clinical Insights: Improving Patient Outcomes in Cystic Fibrosis , patient and physician led, funded by Abcomm, Inc. and Gilead
2007-2011, 2015-19	Great Stride Walks
December 2012	An Update in Cystic Fibrosis , Medical Grand Rounds, patient and physician led, Santa Barbara Cottage Hospital
June 2010-2015	Overview of Mechanical Ventilation , Society of Critical Care Medicine Course for incoming medical and surgical housestaff, Santa Barbara Cottage Hospital
July 2014	Clinical Insights: Improving Patient Adherence and Treatment Outcomes in Cystic Fibrosis , patient and physician led, funded by Abcomm, Inc. and Gilead
October 2104	Physician Grand Rounds. Recurrent Acute Pancreatitis As The Initial Presentation in CF , NACFC, Atlanta, GA
March 2015	Overview of Adult CF , Medical Housestaff Education, Santa Barbara Cottage Hospital
April 2015	Overview of Adult CF presentation , Nursing Education, Santa Barbara Cottage Hospital
June 2015	Overview of Adult CF presentation , Respiratory therapy education, Santa Barbara Cottage Hospital

July 2015	Clinical Insights in Cystic Fibrosis , patient and physician led, funded by Abcomm, Inc. and Gilead
February 2016	Emerging Therapies in Cystic Fibrosis , Medical Grand Rounds, Santa Barbara Cottage Hospital
May 2016	Update in Adult CF , Nursing and RT education, Santa Barbara Cottage Hospital
August 2016	Clinical Insights in Cystic Fibrosis , patient and physician led, funded by Abcomm, Inc. and Gilead
September 2017	Clinical Insights in Cystic Fibrosis , patient and physician led, funded by Abcomm, Inc. and Gilead
December 2017	ICU bronchoscopy Overview , Surgical Housestaff, Santa Barbara Cottage Hospital
2004-current	Lecturer/speaker , Monthly Pulmonary Conference for medical residents Santa Barbara Cottage Hospital.
February 2018	Update in Adult CF , Nursing and RT education, Santa Barbara Cottage Hospital
December 2018	Medical Grand Rounds , Optimizing Lung Health in Cystic Fibrosis: Strategies for Infection Management, funded by Adcomm, Inc. and Gilead
December 2018	Moderator , National Broadcast of Use of Arikayce in the Management of Refractory Mycobacterium Avium Complex Lung Disease
December 2018-current	National Insmed speaker on NTM lung disease
October 2020	Telemedicine Implementation in an Adult CF Program, Accelerated by the COVID-19 Pandemic, PT&RT: The PT/RT Year in Review: Where Are We & Where Are We Going? NACFC 2020
November 2020	Grampions Virtual Science 101, California CFF Chapters, Virtual Lecture

October 2021

Consultation Session on Difficult Diagnoses
NACFC 2021, CF or not CF: Siblings with Chronic
Sinopulmonary Disease, Elevated Sweat Chloride
Test and Negative Expanded CFTR Mutation
Analysis.

Bibliography:

Original Research, Peer Reviewed:

Cuff CA, Kothapalli D., Azonobi I, Chun S. Zhang Y, **Belkin R**, Yeh C, Secreto A, Assoian RK, Rader DJ, Pure E. The Adhesion Receptor CD44 Promotes Atherosclerosis by Mediating Inflammatory Cell Recruitment and Vascular Cell Activation. *Journal of Clinical Investigation* 2001; 108(7): 1031-40.

Richard A Belkin, Noreen R Henig, Lianne G Singer, Cecilia Chaparro, Ronald C Rubenstein, Sharon X Xie, Justin Y Yee, Robert M Kotloff, David A Lipson, and Greta R Bunin . Risk Factors for Death in Cystic Fibrosis Patients Awaiting Lung Transplantation . Am. J. Respir. Crit. Care Med 2006; 173(7):659-666.

Selected for Clinical Year in Review, American Thoracic Society International Conference, San Francisco, CA 2007

Abstracts/Poster Presentations National Meetings

Pure E, Chun S, **Belkin RA**, Rader DJ. Selective Upregulation of VCAM-1 Medial Vascular Smooth Muscle Cells is an Early Indicator of Developing Atherosclerotic Lesions in Mice. 70th Scientific Sessions of the American Heart Association. Orlando, FL, November 1997.

Richard A Belkin, Noreen R Henig, Lianne G Singer, Cecilia Chaparro, Ronald C Rubenstein, Sharon X Xie, Justin Y Yee, Robert M Kotloff, David A Lipson, and Greta R Bunin . Risk Factors for Death in Cystic Fibrosis Patients Awaiting Lung Transplantation. *Pediatr Pulmon* 2004; Volume 38 Issue S27

Belkin R, Singer LG, Henig NR. Height, Aspergillus and MRSA: Potential Predictors of Death in CF Patients on the Lung Transplant Waiting List. *Pediatr Pulmon* 2001; Supp 22: A427.

Belkin R, Matusov Y, Resuello D, Sager, J, Wright, R, Li, J. Clinical Predictors of Adult Diagnosed Cystic Fibrosis in a Community Hospital Setting. *Pediatr Pulmon* 2018; Volume 53 Issue S2.

Belkin, et.al. Improve Cystic Fibrosis Patient Experience by Decreasing Unengaged Time. *Pediatr Pulmon* 2019; Volume 52, Issue S2, page 453. Poster Presentation, NACFC 2019, Nashville, TN.

Carmona J, **Belkin R**. Accelerated Implementation of a Virtual Visit Program at A Community Hospital CF program During the Covid 19 pandemic, NACFC 2020

Belkin, R, Carmona, J, Belkin B. Development of a Decision Aid for Adult-diagnosed Cystic Fibrosis in a Community Hospital CF Program 2021. Accepted for publication *Pediatr Pulmon* 2021.

Case Reports

Matusov Y, **Belkin R** Comorbid Pulmonary Disease May Mask Adult Cystic Fibrosis with Clinical Benefit from Initiation of CF-Specific Therapies - An Illustrative Case D37 ATS International Conference, May 2018, San Diego CA.

Alternative Media:

Belkin R, Delisser HM. Physician Error. *Penn Pulse* March 2002: 17-20.

Belkin R. Santa Barbara Cottage Hospital CF/bronchiectasis Program. *Santa Barbara Cottage Hospital Medical Staff Highlights*. Spring/Summer 2013.

Belkin R. Ask the Doctor Cystic Fibrosis Lifestyle Foundation Blog. June 2015.

Victory for CF patients, Santa Barbara News Press, November 5th 2019 A6-A7.

www.cflf.org/blog.

Videos/Media:

<http://www.livingxtreme.org/>, focusing on the importance of exercise in CF.

https://youtu.be/DLR_nly2sz8/, Air Quality: Be careful, Be Safe, Be Smart

Current Original Research in progress

Adult Screening for Cystic Fibrosis in Patients Presenting with CF like phenotype in a Community Hospital based CF program

Clinical Research

Principal Investigator

2014 – Present	Cystic Fibrosis Patient Registry (Enrolling patients)
2015 – 2016	Emergent Use of Clofazimine (Lamprene) for a Single Patient For The Treatment Of Refractory Mycobacterium Chelonae
2017 – Present	Multiple Patient Program for Lamprene® (clofazimine) for the treatment of Non-Tuberculous Mycobacterial (NTM) Infections CLAM320B2002M (Enrolling patients)
2021	ASPEN Trial: A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study to Assess the Efficacy, Safety, and Tolerability of Brensocatib Administered Once Daily for 52 Weeks in Subjects with Non-Cystic Fibrosis Bronchiectasis (Enrolling patients)
2021	ARISE Trial: A Randomized, Double-Blind, Placebo-Controlled, Active Comparator, Multicenter Study to Validate Patient-Reported Outcome Instruments in Adult Subjects with Newly Diagnosed Nontuberculous Mycobacterial (NTM) Lung Infection Caused by <i>Mycobacterium avium</i> Complex (MAC) (Awaiting site initiation)
2021	ENCORE Trial: A Randomized, Double-Blind, Placebo-Controlled, Active Comparator, Multicenter Study to Evaluate the Efficacy and Safety of an Amikacin Liposome Inhalation Suspension (ALIS)-Based Regimen in Adult Subjects with Newly Diagnosed Nontuberculous Mycobacterial (NTM) Lung Infection Caused by <i>Mycobacterium avium</i> Complex (MAC) (Awaiting site initiation)

Sub-Investigator

2020	Expanded Access to Convalescent Plasma for the Treatment of Patients with COVID-19 (Enrollment completed)
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