

Curriculum Vitae

Ali I. Musani, MD. FCCP
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Personal Data

Present Positions/Rank:

July 2019 – Present	Director, Internal Medicine Residency Global Health Pathway
July 2018-Present	Director, Bronchoscopy Service Director, Interventional Pulmonology Fellowship Program Division of Pulmonary Sciences & Critical Care Medicine
July 2017-Present	Vice Chair, Global Health Program Department of Medicine Director, Complex Airway Pillar of the Center for Lung and Breathing Director, Interventional Pulmonology Division of Pulmonary Sciences & Critical Care Medicine Director, Bronchoscopy Service Anschutz Medical Campus, University of Colorado Professor of Medicine and Surgery University of Colorado School of Medicine and University Hospital. Denver, Colorado

Citizenship: USA

II. Educational History

Undergraduate:

1980-1982

D-J Science College, Pakistan
HSC (Higher School Certificate)

Graduate:

1983-1989

Dow Medical College, Pakistan
M.B., B.S.

Internships/Residency:

1990

House Officer
Internal Medicine and General Surgery
Civil Hospital Karachi, Pakistan

5/1992-10/1993

Research Assistant
VA Medical Center
University of California
San Francisco, CA

1994-1996

Intern/Resident, Internal Medicine
State University of New York
Brooklyn, NY

Fellowship:

1998-2001

Pulmonary/Critical Care
Thomas Jefferson University Hospital
Philadelphia, PA

2001-2002

Interventional Pulmonology
Hospital of the University of Pennsylvania
Philadelphia, PA

Mini Fellowships:

7/2002

Advanced Training
Ridged Bronchoscopy, Silicone Stent
Placement and Management of
Endobronchial/Endotracheal Diseases
Professor Jean-François Dumon
Hôpital Sainte Marguerite
Marseille, France

4/2003

Endobronchial Ultrasound Training
Noriaki Kurimoto, M.D., Ph. D.
Chief, Thoracic Surgery
National Hiroshima Hospital
Higashi Hiroshima, Japan

4/2004

Medical Thoracoscopy Training
Hôpital de La Timone

Faculté de Médecine, School of Medicine
Phillpe Astoul, MD, PhD
Marseille, France

5/2005

Endobronchial Ultrasound Training
Kazuhiro Yasufuku MD., PhD
Chiba University, School of Medicine
Chiba, Japan

Licensure:

Colorado, USA
Wisconsin, USA

Specialty Certification:

1997- 2007

Board Certified, American Board of Internal Medicine
Board Certified, American Board of Specialty Medicine
Pulmonary Medicine

2001- 2010

2010 - 2020

Board Certified, American Board of Specialty Medicine
Pulmonary Medicine

2021-2031

Board Certified, American Board of Specialty Medicine
Pulmonary Medicine

2014 - 2024

Board Certified, American Association of Bronchology and
Interventional Pulmonology: Interventional Pulmonology

III. Professional Positions

Jan 2016-June 2017

Liaison, Global Health Program
Department of Medicine
Medical College of Wisconsin, WI. USA

Sep 2015-June 2017

Director, International Scholars Program
Pulmonary and Critical Care Medicine
Medical College of Wisconsin, WI. USA

July 2015- June 2017

Chief, Pulmonary and Critical Care Medicine
Medical College of Wisconsin, WI. USA

July 2015- June 2017

Director, Interventional Pulmonology and Bronchoscopy
Medical College of Wisconsin, WI. USA

July 2015- June 2017

Director, Interventional Pulmonology Fellowship Program
Medical College of Wisconsin, WI. USA

July 2015- June 2017

Professor of Medicine

Medical College of Wisconsin, Milwaukee USA

July 2014-June 2015

Professor, Departments of Medicine and Pediatrics
Division of Pulmonary and Critical Care
Founder and Director, Interventional Pulmonology Program
Director, Bronchoscopy Service
Director, Lung Nodule Clinic
Founder and Director, Interventional Pulmonology Fellowship Program
National Jewish Health
Denver, CO 80206
musania@njhealth.org

July 1/2014-June 2015

Professor of Medicine, Department of Medicine
Division of Pulmonary Sciences and Critical Care Medicine
University of Colorado School of Medicine
Anschutz Medical Campus
Aurora, CO

1/2008-6/2014

Associate Professor, Depts. of Medicine and Pediatrics
Division of Pulmonary and Critical Care
Director, Interventional Pulmonology Program
Director, Bronchoscopy Service
Director, Interventional Pulmonology Fellowship Program
National Jewish Health
Denver, CO

6/2009-6/2014

Associate Professor, Department of Medicine
Division of Pulmonary Sciences and Critical Care Medicine
University of Colorado School of Medicine
Anschutz Medical Campus
Aurora, CO

1/2004-12/2007

Assistant Professor, Department of Medicine
Division of Pulmonary, Allergy and Critical Care
Director, Interventional Pulmonology Program
PENN Presbyterian Medical Center
Associate Director, Interventional Pulmonology Program
Hospital of the University of Pennsylvania
Philadelphia, PA

6/2002-7/2004

Instructor, Department of Medicine
Division of Pulmonary, Allergy and Critical Care
Associate Director, Interventional Pulmonology Program
Hospital of the University of Pennsylvania
Philadelphia, PA

1997-1998 Attending Physician, Internal Medicine
Colorado Plains Medical Center
Fort Morgan, CO

IV. Honors and Awards

2019 America Top Physician-Interventional Pulmonology
Consumers' Research Council of America

2019 Presidentail Award for Service and Leadership
American Association for Bronchology and Intervental
Pulmonology

2018 Professional Leadership Certification
Univeristy of Colorado, Denver

2018 America's Top Physician - Pulmonology
Consumers' Research Council of America

2017 America's Top Physician - Pulmonology
Consumers' Research Council of America

5/2016 Honorary Member of the Board of Directors
Egyptian Society of Interventional Pulmonology
Cairo, Egypt

5/2016 Improving Billing Success and Compliance
Capstone Project-Accepted and Presented to
Institutional Leadership
Medical College of Wisconsin and Froedtert Hospital
WI. USA

2016 Leadership Academy Certificate Program
Sheldon B. Lubar School of Business
University of Wisconsin and Medical College of Wisconsin

2016 Top Doctors in USA

2016 Best Physicians
Milwaukee, WI

2015 Life Time Achievement Award
Dow Graduate Association of North America

	(DOGANA) Annual Meeting Orlando, FL
2015	America's Top Physician - Pulmonology Consumers' Research Council of America
2014	Honorary Member of the Board of Directors Malaysian Association of Bronchology and Interventional Pulmonology Kuala-Lumpur, Malaysia
2014	America's Top Physician - Pulmonology Consumers' Research Council of America
2013	Presidential Award Dow Graduate Association of North America (DOGANA) Annual Meeting Orlando, FL
2013	Member, Highly Qualified Overseas Pakistanis Ministry of Education and Training Islamabad, Pakistan
2012	America's Top Physicians - Pulmonology Consumers' Research Council of America
2012	Runner-up, Geoffrey McLennan Memorial Award American Association for Bronchology and Interventional Pulmonology
2012	Outstanding Performance Award Guest Editing, Interventional Pulmonology Section Pakistan Journal of Chest Medicine, 2/2012
2011	Condon Family Research Award Interventional Pulmonology
2011	Fraeda and Bill Kopman Research Award Minimally Invasive Therapeutics In Lung Cancer
2010-2012	Honorary Visiting Faculty Award Dow University of Health Sciences Karachi, Pakistan
2010	America's Top Physicians- Pulmonology Consumers' Research Council of America

2007	America's Top Physician- Pulmonology Consumers' Research Council of America
2006	Young Leader, American College of Chest Physicians
2008-Present	Fellow, American College of Physicians
2005-Present	Fellow, American College of Chest Physicians
2001	Glaxo-Wellcome Pulmonary Fellow
1989	Gold Medal Leukemia Walk-a-Thon Karachi, Pakistan
1982-1983	All-Pakistan Martial Arts Champion

V. Professional Affiliations

2016- Present	Egyptian Society of Interventional Pulmonology
2014-Present	Malaysian Association of Bronchology and Interventional Pulmonology
2001-Present	World Association for Bronchology and Interventional Pulmonology
2001-Present	American Association of Bronchology and Interventional Pulmonology
2000-Present	American College of Chest Physicians
1999-Present	American Thoracic Society
1996-Present	American College of Physicians
1990-Present	Pakistan Medical and Dental Council

VI. Professional Service and Committees / Academic Services

Institutional/Departmental/Local:

2021	Member, steering committee Center for Lung and Breathing, Annual Conference 2021, UCH Denver, CO
2019 – Present	Director, Global Health Pathway Internal Medicine Residency Pathway University of Colorado, Denver
2020	Member, steering committee Center for Lung and Breathing, Annual Conference 2020, UCH Denver, CO
2019	Member, steering committee Center for Lung and Breathing, Annual Conference 2019, UCH Denver, CO
2018-2019	Member, Lung Transplant Director Search Committee Division of Pulmonary and Critical Care Medicine University of Colorado, Denver
2105-2107	Department of Medicine Liaison for the Global Health Program Medical College of Wisconsin Milwaukee, USA
2015- 2107	Director, International Scholar's Program Global Medicine Program Pulmonary and Critical Care Medicine Medical College of Wisconsin USA.
2012 – June 2015	Member, International Collaboration Committee National Jewish Health, CO
2009-2013	Member, Associate Professor Promotion Committee University of Colorado School of Medicine Denver, CO
2012-2013	Member, Search Committee for Head of Pediatric Pulmonary Medicine National Jewish Health, CO
2009	Denver, CO Director, 1 st EBUS Course National Jewish Health Denver, CO

2008-2015	Member, Procedure and Therapeutics Committee National Jewish Health Denver, CO
5/2008	Chairman, Interventional Pulmonology Seminar National Jewish Health Denver, CO
1997-1998	Chairman, Pharmacy and Therapeutics Committee Colorado Plains Medical Center Fort Morgan, CO
National/International/Academic Service:	
2021- Present	Council Member Dow Graduates of North America (DOGANA)
2020 – Present	Chair, Education Committee World Association of Bronchology and Interventional Pulmonology
2020 – Present	Chair, Certification Committee American Association for Bronchology and Interventional Pulmonology
2020 – Present	Chair, Research Network American Association for Bronchology and Interventional Pulmonology
2019 – Present	Ex-officio, Member, executive committee American Association for Bronchology and Interventional Pulmonology
2019 – Present	Member, advocacy committee American Association for Bronchology and Interventional Pulmonology
2/2019 – 5/2020	Member, Organizing Committee World Congress of Bronchology and Interventional Pulmonology, May 2020 Shanghai, China
1/2019 - 8/2019	Chair, Organizing Committee

	2 nd Conference of the American Association of Bronchology and Interventional Pulmonology Denver, CO
1/2019 - Present	Visiting Professor of Pulmonary Medicine All India Institute of Medical Sciences, Rishikesh, India
1/2019 – Present	Member, Research and Education Committee Association of Pakistani Physicians of North America
1/209 – Present	Member, Visiting Faculty Program Dow Graduate Association of North America
9/2018- Present	Member, Board of Regents World Association of Bronchology and Interventional Pulmonology
9/2018- Present	Member, Education Committee World Association of Bronchology and Interventional Pulmonology
9/2018	Co-Chair, Train the Trainer in Bronchoscopy and Endobronchial Ultrasound American College of Chest Physician's International Course Chengdu, China
9/2018	Co-Chair, Rapid On Site Cytology and Endobronchial Ultrasound Guided Transbronchial Needle Aspiration American College of Chest Physician's International Course Chengdu, China
8/2018	Chair, Organizing Committee Inaugural Conference of the American Association of Bronchology and Interventional Pulmonology Denver, CO
8/2018	Chair, Panel Discussion Management of Malignant Pleural Effusion Inaugural Conference of the American Association of Bronchology and Interventional Pulmonology Denver, CO
6/2018-Present	Member, Board of Pulmonary Curriculum Committee

All India Institute of Medicine
Dheradhun, India

- 5/2018
Chair, Panel Discussion Session
World Congress of Bronchology and Interventional Pulmonology.
Rochester, Minnesota
- 5/2017 – Present
Member, Guidelines Committee
American Association of Bronchology and Interventional Pulmonology
- 4/2017 - Present
Member, Education Committee
World Association of Bronchology and Interventional Pulmonology
- 4/2017 - Present
Member, Guidelines Committee
World Association of Bronchology and Interventional Pulmonology
- 4/2107
Co-chair: Fixing Surgical Complications with Bronchoscope:
4th European Congress for Bronchology & Interventional Pulmonology
Belgrade, Serbia
- 4/2017
Endless Faces of Obstructive Lung Disease
4th European Congress for Bronchology & Interventional Pulmonology
Belgrade, Serbia
- 4/2017
Member, Scientific Advisory Committee
4th European Congress for Bronchology & Interventional Pulmonology
Belgrade, Serbia
- 12/2016
Member, Board of Regents
World Association of Bronchology and Interventional Pulmonology, Japan
- 3/2016
Member, International Advisory Board
Health Research Advisory Board (HealthRAB)
Pakistan
- 5/2016
Co-Chair, Percutaneous Tracheostomy in the ICU

	World Congress of Bronchology and Interventional Pulmonology Florence, Italy
5/2016	Co-Chair, Bronchial Thermoplasty: A Novel Non-pharmacological Therapy for Asthma World Congress of Bronchology and Interventional Pulmonology Florence, Italy
4/2016	Co-director, Advance Diagnostic and Therapeutic Bronchoscopy Workshop. Performed Five Live Bronchoscopy Cases on Patients in Front of Hundreds of Audiences Pakistan Chest Society Biennial Conference Lahore, Pakistan
3/2016	Co-Director, Rigid Bronchoscopy Workshop Performed Live Rigid and Flexible Bronchoscopy Cases on Patients in Front of Hundreds of Audiences Annual Conference, Egyptian Society of Interventional Pulmonology. Cairo, Egypt
4/2016	Member, American Association of Bronchology and Interventional Pulmonology Boards Examination Questions Writing Committee
12/2015-present	Member, steering committee for the PDT international clinical trials for the treatment of lung cancer
10/2015	President Elect, American Association of Bronchology and Interventional Pulmonology
10/2015-present	Chairman, Educational Program Endorsement Task Force (EPET) American Association of Bronchology and Interventional Pulmonology (AABIP)
8/2015	Member ATS leadership summit Orlando, Florida
5/2015-present	Member, ATS Program Committee for the Assembly on Thoracic Oncology for 2016
5/2015-present	Member, Training Committee

	ATS USA
11/2014-5/2016	Member, Scientific Program Committee World Congress of Bronchology and Interventional Pulmonology Florence, Italy
2014-Present	Member, Joint Accreditation Committee American Association of Bronchology and Interventional Pulmonology, American College of Chest Physicians, and American Association of Interventional Pulmonology Fellowship Program Directors. USA
2014-Present	Honorary Member, Board of Director Malaysian Association of Bronchology and Interventional Pulmonology Malaysia
10/2013-10/2015	Secretary Treasurer American Association of Bronchology and Interventional Pulmonology USA
2013-Present	Member, CME Committee The Association of Physicians of Pakistan Descent Of North America (APPNA)
2012-Present	Chair, Visiting Faculty Program Dow Graduates Association of North America (DOGANA) USA
2012-Present	Member, Interventional Chest/Diagnostic Procedures Network Committee American College of Chest Physicians
2012-2013	Member, Airways Disorders Network Committee American College of Chest Physicians
2012-2015	Chairman, Research Committee American Association of Bronchology and Interventional Pulmonology
2012-2013	Co-Chair, Interventional Pulmonology Post-Graduate Course

	America College of Chest Physicians Annual Meeting Atlanta, GA
2012-2014	Chairman, CME Education Committee Dow Graduates Association of North America (DOGANA) USA
2012-2014	Co-Chair, Visiting Faculty Program to Pakistan Dow Graduates Association of North America (DOGANA) USA
2011	Member, International Advisory Board 1 st Sicilian Conference in Interventional Pulmonology Palermo, Sicily
2011-2012	Member, Program Committee 17 th World Congress of Bronchology and Interventional Pulmonology Cleveland, OH
2011-2016	Member, Program Committee Clinical Problems Assembly American Thoracic Society
2010-Present	Member, By Laws Committee American Association of Bronchoscopy and Interventional Pulmonology
2010-Present	Member, Program and Education Committee American Association of Bronchoscopy and Interventional Pulmonology
2009-2010	Member, Advisory Board European Interventional Pulmonary Society
2009-Present	Member, Board of Directors American Association of Bronchoscopy and Interventional Pulmonology
2008-2010	Member, Program Committee Clinical Problems Assembly American Thoracic Society
2006-2007	Resident Selection Committee Internal Medicine University of Pennsylvania

Philadelphia, PA

2003-2007

Fellowship Selection Committee
Interventional Pulmonology Fellowship
Philadelphia, PA

10/2014

Chair, Lung Cancer Tumor Board
Interactive Seminar, CHEST 2014
Austin, Texas

4/2014

Co-Chair, Lung Cancer Screening and Diagnosis
World Congress of Bronchology and Interventional Pulmonology
Kyoto, Japan 2014

5/2013

Co-Chair, Interventional Pulmonology Poster Discussion Session
American Thoracic Society Annual Meeting
Philadelphia, PA

5/2013

Lead Facilitator, Pleural Diseases Thematic Poster Session
American Thoracic Society Annual Meeting
Philadelphia, PA

5/2013

Member, Expert Panel and Presenter (Lung cancer diagnosis
and staging with Endobronchial Ultrasound)
Lung Cancer Tumor Board
American Thoracic Society Annual Meeting
Philadelphia, PA

5/2013

Facilitator, 2nd International Symposium on Research in
Interventional Pulmonology
American Thoracic Society Annual Meeting
Philadelphia, PA

5/2013

Co-Chair, Emerging Bronchoscopic Techniques
2nd European Bronchology and Interventional Pulmonology
Conference
Izmir, Turkey

11/2012

Chair, Interventional Therapies of Thoracic Diseases
Chinese Thoracic Society
Shanghai, China

11/2012

Chair, Interventional Diagnostics of Thoracic Diseases
Chinese Thoracic Society
Shanghai, China

10/2012	Co-chair, Post Graduate Course 20 th Annual Assembly of the American Association for Bronchology and Interventional Pulmonology CHEST 2012 Atlanta, GA
10/2012	Moderator, Poster Session American College of Chest Physicians (CHEST) Atlanta, GA
6/2012	Co-Chair, Poster Session Percutaneous Tracheostomy 17 th Annual World Congress for Bronchology and Interventional Pulmonology Cleveland, OH
6/2012	Co-Chair, Poster Session Medical Pleuroscopy 17 th Annual World Congress for Bronchology and Interventional Pulmonology Cleveland, OH
5/2012	Co-Chair, Poster Discussion Session Novel Technologies in Interventional Pulmonology American Thoracic Society Annual Meeting San Francisco, CA
5/2012	Co-Chair, Workshop Mutational Testing in the Era of Personalized NSCLC Therapy American Thoracic Society Annual Meeting San Francisco, CA
4/2012	Chair, Interventional Pulmonology Workshop 50 th , Annual Weil Eisenhower Medical Center Symposium on Critical Care and Emergency Medicine Las Vegas, Nevada
2/2012	Co-Judge, Pulmonary Quiz-- Chest Challenge Pakistan Chest Conference 2012 Karachi, Pakistan
2/2012	Co-Chair, Poster Session Pulmonary Medicine Pakistan Chest Conference 2012 Karachi, Pakistan

5/2011	Co-Chair, Poster Session Pleural Diseases American Thoracic Society Annual Meeting Denver, CO
3/2011	Session Co-Chair Symposium on Navigational Therapeutics for Peripheral Lung Cancer 1 st European Association of Bronchology and Interventional Pulmonology Conference Marseille, France
3/2011	Session Co-Chair, New Technologies 1 st European Association of Bronchology and Interventional Pulmonology Conference Marseille, France
3/2011	Session Co-Chair, Oral Poster Presentations Benign Diseases Management 1 st European Association of Bronchology and Interventional Pulmonology Conference Marseille, France
3/2011	Session Co-Chair, Oral Poster Presentations Diagnosis of Benign Disease 1 st European Association of Bronchology and Interventional Pulmonology Conference Marseille, France
5/2010	Facilitator, Thematic Poster Session on Interventional Pulmonology American Thoracic Society Annual Meeting New Orleans, LA
5/2009	Chairman, Poster Discussion Sessions Applications of New Interventional Bronchoscopy Techniques American Thoracic Society Annual Meeting San Diego, CA
5/2009	Lead Facilitator, Poster Discussion Sessions Endobronchial Ultrasound Thematic American Thoracic Society Annual Meeting San Diego, CA

- 5/2009 Lead Facilitator, Poster Discussion Sessions
Lung Cancer Thematic
American Thoracic Society Annual Meeting
San Diego, CA
- 4/2009 Co-Chair, Pleural Summit
Atlanta, GA
- 2/2009 Chair, Case Discussion Session
Diagnosis and Treatment of Lung Cancer
Lung Cancer and Bronchology Symposium
Asia Pacific Respiratory Society
Singapore General Hospital
Republic of Singapore
- 5/2008 Member, Assembly on Clinical Problems
American Thoracic Society
- 5/2008 Chairman, Poster Session
The Role of Newer Bronchoscopic Techniques-
Endobronchial Ultrasound and Navigation Bronchoscopy
American Thoracic Society Annual Meeting
Toronto, Canada
- 5/2007 Chairman, Mini Symposium
Interventional Pulmonology
American Thoracic Society Annual Meeting
San Francisco, CA
- 10/2007 Chairman, Symposium
Bronchoscopic Treatment of Obstructive Airway Disease
International Meeting on Respiratory Endoscopy
Sitges, Spain
- 10/2006 Moderator, Poster Review Session
Pleural Diseases, Original Research Abstracts
American College of Physicians Annual Meeting
Salt Lake City, UT
- 10/2006 Chairman, Poster Discussion Session
Management of Pleural Diseases
American College of Physicians Annual Meeting
Salt Lake City, UT
- 5/2006 Facilitator, Poster Discussion Session
Pleural Diseases

American Thoracic Society Annual Meeting
San Diego, CA

6/2004

Chairman, Poster Session
Trachea-Bronchial Obstruction and Stenting
13th World Association of Bronchology Congress
Barcelona, Spain

VII. Patents

1. Airway Stent Anchoring Device
Patent # 8,512,414
2. Stick Sheild
Patent # 8,961,490
3. Novel Device for Outpatient Pleurodesis
Patent Application Submitted
application # 62/075,530

VIII. Review and Referee Activities

A. Editor and Editorial Boards

2/2019

Guest Editor
Medical Clinics on North America
Pulmonary Disease
Feburary 2019

8/2108

Co-Author
Textbook on Endobronchial Ultrasound
Noriaki Kurimoto, David Fielding and Ali Musani
2nd Edition
Slated for Publication Fall 2019

5/2016-5/2018

Guest Editor
Clinics in Chest Medicine
Interventional Pulmonology
March 2018

1/2016-1/2021

Chief Editor
An E-Book Series on Pulmonary and Critical Care

	Medicine Springer Inc, USA
1/2016-1/2017	Chief Editor Interventional Pulmonology-An E-Book Springer Inc. USA
6/2015-present	Section editor, Pulmonary medicine Clinical Reports in Geriatrics Medicine
1/2015- 2018	Chief Editor Current Pulmonology Reports Springer, USA
4/2015-Present	Member Editorial Board “Pleura” Journal of Pleural Diseases USA
9/2012-Present	Associate Editor: World Association of Bronchology and Interventional Pulmonology (WABIP) newsletter
2/2013	Guest Editor: Clinics in Chest Medicine Interventional Pulmonology 2013 Saunders / Elsevier, Inc. USA
1/2012	Guest Chief Editor: Pakistan Journal of Chest Medicine Special Edition on Interventional Pulmonology Official Journal of the Pakistan Chest Society Pakistan
2011-Present	Member, Editorial Board Pakistan Journal of Chest Medicine Official Journal of the Pakistan Chest Society Pakistan
2011-Present	Member, Editorial Board Journal of Respiratory and Translational Medicine Springer Publishing New York, USA
2011-2015	Section Editor: Interventional Pulmonology Lung Cancer Frontiers National Jewish Health Denver, CO, USA

11/2011	Guest Editors: Hervé Dutau, Ali Musani, Luis Seijo, Kazuhiro Yasufuku Diagnostic and Therapeutic Endoscopy Diagnostic and Therapeutic Advances in Thoracic Endoscopy
11/2011	Guest Editor Medical Clinics of North America Pulmonary Medicine Saunders / Elsevier, Inc. USA
2010-2015	Editor-in-Chief Current Respiratory Care Reports Springer, Inc. USA
2007-2015	Member, Editorial Board Lung Cancer Frontiers National Jewish Health Denver, CO, USA
2005-Present	Member, Editorial Board Journal of Bronchology and Interventional Pulmonology American Association of Bronchoscopy and Interventional Pulmonology
B. Invited Reviewer	
2018-Present	Reviewer COMIRB
2011	Reviewer Institut National du Cancer (INCa) France
2010-Present	Reviewer Cleveland Clinic Proceedings
2007-Present	Reviewer Lung Cancer
2007-Present	Reviewer Lung Cancer Frontiers

2007-Present	Reviewer Respiratory Care
2006-Present	Reviewer Respiration
2005-Present	Reviewer Thorax
2005-Present	Reviewer CHEST
2005-Present	Reviewer American Journal of Respiratory and Critical Care Medicine
2004-Present	Reviewer Respirology
2003-Present	Reviewer Journal of Bronchology

IX. Invited Extramural Lectures, Presentations and Visiting Professorships

A. Regional

11/2020	Bronchoscopic Lung Volume Reduction Center for Lung and Breathing Annual Conference 2019 University of Colorado, Denver
09/2020	Bronchoscopic Lung Volume Reduction Tom Patty Conference/Webinar American Lung Association CO, USA
11/2019	Bronchoscopic Lung Volume Reduction Center for Lung and Breathing Annual Conference 2019 University of Colorado, Denver Colorado Springs, CO
11/2019	Airway Obstruction Center for Lung and Breathing Annual Conference 2019

University of Colorado, Denver
Colorado Springs, CO

- 11/2019 Interventional Pulmonology in Children
Aerodigestive Disease Conference
Children's Hospital, University of Colorado
Denver, CO
- 8/2018 Interventional Pulmonology: a New Paradigm in Chest Medicine
Medicine Grand Rounds
Good Samaritan Hospital
Denver, CO
- 7/2018 Bronchial Thermoplasty: A Novel Therapy for Severe Asthma
Aspen Allergy and Immunology Conference
Aspen, CO
- 9/2018 All that Wheeze is Not Asthma
Grand Rounds
Aurora Medical Ctr
Denver, CO
- 11/2017 Bronchoscopic Lung Volume Reduction
Research In Progress.
National Jewish Health and the University of Colorado
Denver, Colorado
- 10/2017 Interventional Pulmonology: A Paradigm Shift In Chest Medicine
Grand Rounds, Department of Medicine
University of Colorado, Denver
- 10/2017 Bronchial Thermoplasty
Another Option for Severe Asthma Patients
Comprehensive Lung and Breathing Center's Annual Conference
University of Colorado, Denver
Broadmoor, Colorado Springs, Colorado
- 10/2017 Novel Diagnostic and Therapeutic Modalities in Interventional
Pulmonology
Comprehensive Lung and Breathing Center's Annual Conference
University of Colorado, Denver
Broadmoor, Colorado Springs, Colorado
- 10/2016 Point/counterpoint
Optimal Approach to Lung Cancer Screening

	29 th Annual Updates in Primary Care Medical College of Wisconsin Egg Harbor, Wisconsin
3/2014	Bronchial Thermoplasty Colorado Allergy Associates Denver Co
2/2014	Bronchial Thermoplasty: For Who, When and Why Community Education Program Swedish Medical Center Denver, CO
2/2013	Bronchial Thermoplasty POD “A” Monthly Lecture Series National Jewish Health Denver, Colorado
11/2012	Bronchial Thermoplasty American Lung Association Colorado Asthma Coalition Annual Meeting Denver, Colorado
10/2012	Bronchoscopy Basics Pulmonary Fellows Lecture Series National Jewish Health Denver, CO
7/2012	Interventional Pulmonology – Nodes, Nodules, and Beyond 48 th Annual Internal Medicine Program University of Colorado School of Medicine Estes Park, CO
2/2012	Tracheobronchomalacia and Hyperdynamic Airway Collapse Radiology Noon Conference National Jewish Health Denver, CO
1/2012	Tracheobronchomalacia Allergy and Immunology Case Conference National Jewish Health Denver, CO
9/2011	Bronchial Thermoplasty 16 th Allergy and Immunology Conference of Colorado Denver, CO

7/2011	Interventional Pulmonology Service at National Jewish Faculty Orientation National Jewish Health Denver, CO
6/2011	ABC's of Endobronchial Ultrasound 2 nd EBUS Course National Jewish Health Denver, CO
03/2011	Introduction to Interventional Pulmonology Diagnostics Therapeutics and Research Kaiser Permanente Hospital Denver, CO
02/2011	Bronchoscopic Lung Volume Reduction Medical Grand Rounds National Jewish Health Denver, CO
02/2011	Airway Thermoplasty 36 th Allergy and Immunology Conference National Jewish Health Keystone, CO
12/2010	Management of Tracheobronchomalacia and Hyperdynamic Airway Collapse Pod A, Clinicians' Monthly Conference National Jewish Health Denver CO
10/2010	Introduction to Interventional Pulmonology Featured Speaker 22 nd Annual Geno Saccomanno Lecture Series St. Mary's Saccomanno Research Institute Grand Junction, CO
10/2010	Role of Interventional Pulmonology in the Treatment of Asthma and Emphysema - Featured speaker 22 nd Geno Saccomanno Lecture Series St. Mary's Saccomanno Research Institute Grand Junction, CO
9/2010	Pulmonary Nodules: Diagnosis and Management

	American Association of Family Medicine National Meeting Denver, CO
4/2010	Endoscopic Lung Cancer Staging Fellows' Conference Hematology and Oncology University of Colorado Denver, CO
2/2010	Bronchoscopic Lung Volume Reduction Research in Progress (RIP) National Jewish Health/ University of Colorado Denver, CO
2/2010	Non-surgical Diagnosis and Staging of Lung Cancer Keystone Pulmonary Conference Keystone, CO
11/2009	Interventional Pulmonology Billing and Coding Lecture at Medical Coding Conference Denver CO
9/2009	Endobronchial Ultrasound in Lung Cancer Staging Swedish Medical Center Tumor Board Denver, CO
9/2009	Interventional Bronchoscopy Program and Treatment for Lung Cancer Colorado Biosymposium on Pulmonary Disease Aurora, CO
7/2009	Interventional Pulmonology in 2009 Lutheran Medical Center Denver, CO
5/2009	Pleuroscopy and Pleural Catheters Malignant Pleural Effusion Tumor Board Lecture Series Rose Medical Center Denver, CO
5/2009	Navigation Bronchoscopy and Fiducial Placement for Radiation Therapy of Early Stage Lung Cancer Dinner Lecture for Community Doctors Denver, CO

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| 3/2009 | Therapeutic Options in the Management of Malignant Pleural Effusions
Hospitalists Evening Conference
Rose Medical Center
Denver, CO |
| 9/2008 | Introduction to Interventional Pulmonology
Community Presentation: Colorado Cancer Day
University of Colorado Denver
Denver, CO |
| 8/2008 | Emphysema: Old Disease, New Treatment
Community Presentation for Research Recruitment (EASE Trial)
Denver, CO |
| 3/2008 | Lung Cancer Diagnosis and Staging with New Interventional Modalities
Tumor Board
Rose Medical Center
Denver, CO |
| 2/2008 | Marketing Interventional Pulmonology: What Can We Offer?
National Jewish Health
Denver, CO |
| B. National | |
| 8/2021 | Developing an Interventional Pulmonology Research Network
American Association for Bronchology and interventional Pulmonology 4 th National Conference
Baltimore, USA |
| 8/2021 | Chair – Plenary Session on Advanced Diagnostic Bronchoscopy
American Association for Bronchology and interventional Pulmonology 4 th National Conference
Baltimore, USA |
| 8/2021 | Chair – Plenary Session on Education, Training and Technology Integration
American Association for Bronchology and interventional Pulmonology 4 th National Conference
Baltimore, USA |

8/2021	Advanced Diagnostic Bronchoscopy American College of Chest Physicians Pulmonary Board Review Course
8/2021	Basic Bronchoscopy American College of Chest Physicians Pulmonary Board Review Course
11/2020	Bronchoscopic Lung Volume Reduction Center for Lung and Breathing Annual Conference 2019 University of Colorado, Denver
9/2020	Meet the Professor: Standardization of Interventional Pulmonology Teaching and Training American Association of Bronchology and interventional Pulmonology 3 rd International Conference
9/2020	Co-Chair: Expert Panel Interactive Session on Bronchoscopic Therapies of Lung Cancer American Association of Bronchology and interventional Pulmonology 3 rd International Conference
08/2020	Bronchoscopy: High Risk Patients and Complications Board Review Course 2020 American College of CHEST Physicians
10/2019	Interventional Pulmonology Societies Featured Lecture And Open Forum: Interventional Chest/Diagnostic Procedures CHEST 2019, New Orleans
08/2019	Presidential Speech: Past, present and the Future of AABIP American Association of Bronchology and interventional Pulmonology 2 nd International Conference Denver, CO
08/2019	Keynote Speaker: 2 nd Convocation of the American Association of Bronchology and interventional Pulmonology American Association of Bronchology and interventional Pulmonology 2 nd International Conference Denver, CO
10/2016	All that Wheezes is Not Asthma Plenary Session on Difficult Asthma CHEST 2016, LA

10/2016	Year in Review (Presidential Speech) Interventional Pulmonology Post Graduate Course CHEST 2016, LA
9/2015	Navigation Bronchoscopy for Pulmonary Nodules Transbronchial and Transthoracic approaches World Congress of Lung Cancer (ISLAC) Denver, CO
1/2015	Percutaneous Tracheostomy Annual Interventional Pulmonology Conference Beth Israel Deaconess Medical Center Harvard Medical School Boston, MA
10/2014	Pleural Catheters for the Management of Pleural Effusions Board Review Course For Interventional Pulmonology Boards American Association of Bronchology and Interventional Pulmonology Austin, TX
10/2014	Medical Pleuroscopy Board Review Course For Interventional Pulmonology Boards American Association of Bronchology and Interventional Pulmonology Austin, TX
10/2014	Bronchial Thermoplasty: A Non Drug Treatment of Asthma Airway Disorder Steering Committee Symposium CHEST, 2014 Austin, TX
7/2014	Novel Therapies in Interventional pulmonology Pulmonary Seminar Medical Colleges of Wisconsin Milwaukee, WI
6/2014	Pleural catheters and Pleuroscopy National Boot Camp for Interventional Pulmonology Fellows Ohio State University Columbus OH
6/2014	Lung Cancer Staging 1 ST Endobronchial Ultrasound Course

Pulmonology	American Association of Bronchology and Interventional Ohio State University Columbus OH
4/2014	Role of Medical Pleuroscopy and Indwelling Pleural Catheters In the Management of Malignant Pleural Effusion Cancer Centers of America Atlanta, GA
1/2014	Asthma Masquerader: Tracheobronchomalacia and Hyperdynamic Airway Collapse Western Society of Asthma, Allergy and Immunology Annual Conf Maui, HI
1/2014	Bronchial Thermoplasty: When, Why and for Whom Western Society of Asthma, Allergy and Immunology Annual Conf Maui, HI
1/2014	Workshop on Management of Asthma Sally Winzel MD and Ali Musani MD Western Society of Asthma, Allergy and Immunology Annual Conf Maui, HI
6/2013	Management of Complex Benign and Malignant Pleural Effusion Interventional Pulmonology Course Ohio State University Columbus, OH
3/2013	Interventional Pulmonology: Nodes, Nodules and Beyond Spring Retreat. DOGANA (Dow Graduates of North America) Houston, TX
10/2012	Medical vs. Surgical Thoracoscopy American College of Chest Physicians (CHEST) Atlanta, GA
10/2012	Bronchoscopy in the Immunocompromised Host and in the ICU American College of Chest Physicians (CHEST) Atlanta, GA
10/2012	Critical Central Airway Obstruction and Tracheobronchomalacia

	Interventional Pulmonology Post Graduate Course American Association of Bronchology and Interventional Pulmonology American College of Chest Physicians (CHEST) Atlanta, GA
9/2012	Lung Cancer Staging Duke University School of Medicine Durham, NC
6/2012	ABC's of PDT 17 th Annual World Congress for Bronchology and Interventional Pulmonology Cleveland, OH
5/2012	Preparation for Bronchoscopy Post Graduate Course: Bronchoscopy American Thoracic Society Annual Meeting San Francisco, CA
4/2012	Management of Massive Hemoptysis in the ICU 50 th Annual Weil Eisenhower Medical Center Symposium on Critical Care and Emergency Medicine Las Vegas, NV
4/2012	ABC's of Endobronchial Ultrasound 50 th Annual Weil Eisenhower Medical Center Symposium on Critical Care and Emergency Medicine Las Vegas, NV
3/2012	Lung Cancer Diagnosis and Staging with EBUS and EUS Memorial Sloan-Kettering Cancer Center New York, NY
1/2012	Interventional Pulmonology National Jewish Development Fund Raising Conference Beverly Hills, CA
1/2012	Lung Cancer Diagnosis and Staging With Novel Tools Introduction To Interventional Pulmonology National Jewish Development Fund Raising Conference Orange County, CA
9/2011	Mediastinal Staging of Lung Cancer Endobronchial Ultrasound Course Duke University

Durham, NC

- 4/2011 Rigid Bronchoscopy
Interventional Pulmonology Course
Emory University
Atlanta, GA
- 3/2011 Tracheal Stenosis: Diagnosis and Treatment
Interventional Pulmonology Conference
Lahey Clinic
Boston, MA
- 2/2011 Interventional Pulmonology
Diagnostics, Therapeutics and Research
Medical Grand Rounds
Eisenhower Medical Center
Palm Springs, CA
- 1/2010 What is Interventional Pulmonology?
National Jewish Health Fund Raiser
West Palm Beach, FL
- 11/2009 Confocal Bronchoscopy
Poster, Oral presentation
American College of Physicians Annual Meeting
San Diego, CA
- 9/2009 Non-Surgical Lung Cancer Staging
Endobronchial Ultrasound Course
Duke University Medical Center
Raleigh, NC
- 4/2009 Literature Review on Pleural Catheters
Pleural Summit
Atlanta, GA
- 4/2009 Management of Malignant Pleural Effusion
Emory University
Atlanta, GA
- 3/2009 Interventional Pulmonology for Benign and Malignant
Diseases
National Jewish Health Fundraiser Lectures
Sarasota, FL
Boca Raton, FL
- 12/2008 Expanding Horizons of Interventional Pulmonology

	Interventional Pulmonology Monthly Conference Hospital of the University of Pennsylvania Philadelphia, PA
12/2007	Updates in Interventional Pulmonology Multidisciplinary Lung Cancer Conference Department of Oncology University of Pennsylvania Philadelphia, PA
10/2007	Diagnosis and Management of Malignant Pleural Effusions Community Medical Center Scranton, PA
7/2006	Airway Thermoplasty Community Pulmonologists Dinner Meeting Philadelphia, PA
7/2005	Bronchoscopic Lung Volume Reduction National Medical Association New York, NY
4/2005	Basic Concepts in Airways Stenting and Transbronchial Needle Aspiration (TBNA) Boston Scientific Sales Force Yearly Retreat Philadelphia, PA
9/2003	Diagnostic and Therapeutic Bronchoscopy Management of Malignant Pleural Effusion with Pleurx Catheter 26 th Annual Pennsylvania Nursing Convention Philadelphia, PA
2/2003	Implantable Pleural Catheter for the Management of Malignant Pleural Effusion 12 th World Association of Bronchology Congress Boston, MA
2/2002	Diagnostic Bronchoscopy Boston Scientific National Research and Development Meeting Los Angeles, CA
5/2001	Role of IL-4 and IL-13 in Asthma Bristol-Myers Squibb Research and Development Meeting New Brunswick, NJ

C. International

11/2020	Globalization of Interventional Pulmonology: Can WABIP do it? World Association of Bronchology and Interventional Pulmonology Conference 2020 China
11/2020	Standardization of Education and Training of IP around the world Can WABIP lead the effort? World Association of Bronchology and Interventional Pulmonology Conference 2020 China
11/2020	Bronchoscopic Therapies for Peripheral Lung Cancer Expert Panel Discussion World Association of Bronchology and Interventional Pulmonology Conference 2020 China
6/2020	Bronchoscopy in the era of COVID Pandemic Europe, USA and Pakistani expert panel lecture series Pakistan
6/2020	Interventional Pulmonology: Global Perspective Mahatma Gandhi University Hospital India
4/2020	Bronchoscopic Lung Volume Reduction All India Institute of Medical Sciences India
9/2019	Bronchoscopic Treatment of Peripheral Lung Cancer Chinese Society of Clinical Oncology Xiamen, China
2/2019	Course Director, Thoracic Ultrasound Hands on Training Faculty Development Program - Colorado Zimbabwe Education Program (COZIE) University of Zimbabwe, Harare
2/2019	Visiting Professor – Colorado Zimbabwe Education Program (COZIE) University of Zimbabwe, Harare

2/2019	ABC of Thoracic Ultrasound University of Zimbabwe, Harare
1/4/18	Bronchial Thermoplasty: Anon Pharmacological Treatment of Severe Asthma Pulmonary Fellows Conference: The Agha Khan University Hospital, Karachi. Pakistan
1/4/18	Bronchoscopic Treatment of Lung Cancer Pulmonary Grand Rounds: The Agha Khan University Hospital Karachi, Pakistan
12/26/17	Advanced Diagnostic Bronchoscopy DOGANA (Dow Graduates of North America) Annual Winter Meeting at Dow University of Health Sciences Karachi, Pakistan
11/2017	Presidential Address: American Association of Bronchology And Interventional Pulmonology CHEST 2017 Toronto, Canada
11/2017	Year In Review: Interventional Pulmonology American Association of Bronchology And Interventional Pulmonology CHEST 2017 Toronto, Canada
11/2017	Appropriate Anesthesia for EBS TBNA Annual Interventional Bronchoscopy Conference Ain Shams University Cairo, Egypt
11/2017	Central and Radial EBUS Bronchoscopy Annual Interventional Bronchoscopy Conference Ain Shams University Cairo, Egypt
11/2017	Use of Laser and Stenting in Malignant Central Airway Obstruction Annual Interventional Bronchoscopy Conference Ain Shams University Cairo, Egypt
10/2017	Interventional Pulmonology: Past, Present and Future Plenary Session:

- Third Annual Assembly of Malaysian Association of
Bronchology And Interventional pulmonology
Putrajaya, Malaysia
- 10/2017 Endobronchial Valves for the Treatment of Severe Emphysema
Third Annual Assembly of Malaysian Association of Bronchology
And Interventional pulmonology
Putrajaya, Malaysia
- 10/2017 Endoscopic Treatment of Benign Tracheal Stenosis
Third Annual Assembly of Malaysian Association of Bronchology
And Interventional pulmonology
Putrajaya, Malaysia
- 10/2017 Airway Stents for Benign and malignant Disease
Third Annual Assembly of Malaysian Association of Bronchology
And Interventional pulmonology
Putrajaya, Malaysia
- 10/2017 IPF Global Research Study of University of Colorado, Denver
A Great Opportunity for Collaboration with Malaysia
Third Annual Assembly of Malaysian Association of Bronchology
And Interventional pulmonology
Putrajaya, Malaysia
- 4/2017 Asthma, Individualized Approach and Thermoplasty
4th European Congress for Bronchology &
Interventional Pulmonology
Belgrade, Serbia
- 4/2017 Mind to Market: How to Turn Your Ideas into Industry
4th European Congress for Bronchology &
Interventional Pulmonology
Belgrade, Serbia
- 4/2017 Bronchoscopic Treatment of Lung Cancer
4th European Congress for Bronchology &
Interventional Pulmonology
Belgrade, Serb
- 4/2017 Post Thoracotomy Complications in the ICU
4th European Congress for Bronchology &
Interventional Pulmonology
Belgrade, Serbia

- 5/2016 Tracheobroncho Malacia- A Case Presentation
and Discussion
World Congress of Bronchology and Interventional
Pulmonology
Florence, Italy
- 5/2016 Minimally Invasive Techniques for Diagnosing and Staging Lung
Cancer
World Congress of Bronchology and Interventional
Pulmonology
Florence, Italy
- 4/2016 Interventional Pulmonology
A Carrier Choice in Pakistan
Plenary Session Lecture
Pakistan Chest Society
Biennial Chest Conference
- 4/2016 Bronchial Thermoplasty, A Novel Therapy for Asthma
Pakistan Chest Society
Biennial Chest Conference
- 4/2016 Endobronchial Ablative Therapies
Pakistan Chest Society
Biennial Chest Conference
- 3/2016 Basics of Rigid Bronchoscopy
Chest Hospital of the Armed Forces of Egypt
Egyptian Society of Interventional Pulmonology
Cairo, Egypt
- 3/2016 Tracheobroncho Malacia and Hyper Dynamic Airway Collapse
Chest Hospital of the Armed Forces of Egypt
Egyptian Society of Interventional Pulmonology
Cairo, Egypt
- 3/2016 Endobronchial Ablative Therapies
Chest Hospital of the Armed Forces of Egypt
Egyptian Society of Interventional Pulmonology
Cairo, Egypt
- 3/2016 Airway Stenting in Benign and Malignant Airway Obstruction
Chest Hospital of the Armed Forces of Egypt
Egyptian Society of Interventional Pulmonology
Cairo, Egypt

3/2016	Bronchoscopic Management of Pulmonary Hemorrhage Chest Hospital of the Armed Forces of Egypt Egyptian Society of Interventional Pulmonology Cairo, Egypt
12/2014	Key note Speaker Management of Complex Airway Obstruction-Rigid Bronchoscopy and Silicone Stenting 3 rd Annual Conference of Chinese Medical Association of Interventional Pulmonology Guangzhou, China
12/2014	Rigid Bronchoscopy and Silicone Stenting of the Airway Guangzhou Medical University Guangzhou, China
5/2014	Foreign Body Aspiration and Extraction Interventional Pulmonology Conference University of Montreal Montreal, Canada
5/2014	Rigid Bronchoscopy Interventional Pulmonology Conference University of Montreal Montreal, Canada
5/2014	Endobronchial Therapies, Hot and Cold Interventional Pulmonology Conference University of Montreal Montreal, Canada
4/2014	Argon Plasma Coagulation (APC) for Endobronchial Ablation World Congress of Bronchology and Interventional Pulmonology Kyoto, Japan 2014
4/2014	Diagnostic Strategies for Pulmonary Nodules World Congress of Bronchology and Interventional Pulmonology Kyoto, Japan 2014
5/2013	Management of Trachoesophageal Fistula Bronchoscopic and Endoscopic Approaches 2 nd European Bronchology and Interventional Pulmonology Conference Izmir, Turkey
5/2013	Bronchial Thermoplasty for Severe Asthma

	2 nd European Bronchology and Interventional Pulmonology Conference Izmir, Turkey
5/2013	Management of Dynamic Airway Collapse 2 nd European Bronchology and Interventional Pulmonology Conference Izmir, Turkey
4/2013	Bronchial Thermoplasty -New Treatment for an Old Disease Turkish Thoracic Society Annual Meeting Antalya, Turkey
4/2013	Tracheal Stenosis CME Lecture Series of Visiting Faculty / Professor Sponsored by Ministry of Education and Technology Government of Pakistan, Highly Qualified Overseas Pakistanis
Program	Dow University of Health Sciences Karachi, Pakistan
4/2013	Management of Malignant Pleural Effusion CME Lecture Series of Visiting Faculty / Professor Sponsored by Ministry of Education and Technology Government of Pakistan, Highly Qualified Overseas Pakistanis
Program	Dow University of Health Sciences Karachi, Pakistan
4/2013	Therapeutic Bronchoscopy CME Lecture Series of Visiting Faculty / Professor Sponsored by Ministry of Education and Technology Government of Pakistan, Highly Qualified Overseas Pakistanis
Program	Dow University of Health Sciences Karachi, Pakistan
3/2013	Airway Stenting 1 st Interventional Pulmonology Workshop Islamabad, Pakistan
3/2013	Medical Pleuroscopy 1 st Interventional Pulmonology Workshop Islamabad, Pakistan
3/2013	Lung Cancer Staging

	1 st Interventional Pulmonology Workshop Islamabad, Pakistan
3/2013	Diagnostic Modalities for Peripheral Pulmonary Nodules 1 st Interventional Pulmonology Workshop Islamabad, Pakistan
1/2013	Medical vs. Surgical Pleuroscopy Aga Khan University Karachi, Pakistan
11/2012	Intervention Diagnostics Strategies of Pulmonary Solitary Nodules Chinese Thoracic Society Shanghai, China
11/2012	Tracheal Stenosis and Tracheobronchomalacia Chinese Thoracic Society Shanghai, China
11/2012	Bronchial Thermoplasty for Severe Asthma Chinese Thoracic Society Shanghai, China
3/2012	Bronchial Thermoplasty 1 st Sicilian Interventional Pulmonology Conference Palermo, Sicily
2/2012	Meet The Expert: Interventional Pulmonology 10 th Biennial Conference of the Pakistan Chest Society ChestCon 2012 Karachi, Pakistan
2/2012	Bronchial Thermoplasty: A New Treatment For An Old Disease 10 th Biennial Conference of Pakistan Chest Society ChestCon 2012 Karachi, Pakistan
2/2012	Tracheobronchomalacia and Hyperdynamic Airway Collapse 10 th Biennial Conference of Pakistan Chest Society ChestCon 2012 Karachi, Pakistan
9/2011	Bronchoscopic Lung Volume Reduction The 15 th Annual Meeting of the Japanese Society for Pneumothorax and Cystic Lung Diseases Okayama, Japan

- 9/2011 Pneumothorax in the USA
The 15th Annual Meeting of the Japanese Society
for Pneumothorax and Cystic Lung Diseases
Okayama, Japan
- 6/2011 Spectrum of Interventional Pulmonology and
It's Applications in Pulmonary Medicine
National University of Sciences and Technology
Medical Grand Rounds
Islamabad, Pakistan
- 3/2011 Bronchial Thermoplasty: A New Treatment for Asthma
1st European Association of Bronchology and Interventional
Pulmonology Conference
Marseille, France
- 3/2011 Percutaneous Tracheostomy
1st European Association of Bronchology and Interventional
Pulmonology Conference
Marseille, France
- 3/2011 Bronchoscopic Treatment of Malignant Airway Obstruction
1st European Association of Bronchology and Interventional
Pulmonology Conference
Marseille, France
- 3/2011 Biological Lung Volume Reduction
1st European Association of Bronchology and Interventional
Pulmonology Conference
Marseille, France
- 11/2010 Tracheal Stenosis: Diagnosis and Management
Oxford University, Churchill Hospital
Oxford, England
- 11/2010 Airway Thermoplasty: Novel Therapy for Asthma
Oxford University, Churchill Hospital
Oxford, England
- 6/2010 Lung Cancer Treatment Staging
Lung Cancer Conference
Clinica Las Condes
University of Santiago
Santiago, Chile
- 6/2010 Management of Malignant Pleural Effusion

	Lung Cancer Conference Clinica Las Condes University of Santiago Santiago, Chile
6/2010	Lung Cancer Staging in 2010 Lung Cancer Conference Clinica Las Condes University of Santiago Santiago, Chile
6/2010	Interventional Pulmonology Lung Cancer Conference Clinica Las Condes University of Santiago Santiago, Chile
6/2010 Ultrasound	Mediastinal Staging of Lung Cancer with Endobronchial Lung Cancer Conference Clinica Las Condes University of Santiago Santiago, Chile
6/2010	Novel, Non-Pharmacologic and Non-Surgical Treatments for Asthma and Emphysema Medical Grand Rounds King Khalid University Hospital Riyadh, Saudi Arabia
6/2010	Lung Cancer Diagnosis and Staging Pulmonary Grand Rounds King Khalid University Hospital Riyadh, Saudi Arabia
3/2010	Interventional Pulmonology: Past, Present and Future Pakistan Chest Society Conference 2010 Bhur Bun, Pakistan
3/2010	Non-Surgical and Non-Pharmacologic Treatments for Asthma and COPD Pakistan Chest Society Conference 2010 Bhur Bun, Pakistan
3/2010	Diagnosis and Management of Malignant Pleural Effusion Medical Grand Rounds

Sheikh Khalifha Hospital
Abu Dhabi, UAE

- 3/2010 Visiting Faculty: Residents Case Conference
Sheikh Khalifha Hospital
Abu Dhabi, UAE
- 3/2010 Emerging Paradigms in the Management of Malignant Pleural Effusion
1st Gulf Thoracic Conference
Abu Dhabi, UAE
- 1/2010 Evolving Scope of Interventional Pulmonology in Pakistan
Dow International Medical College
Karachi, Pakistan
- 1/2010 Visiting Professor
Case Discussion and Expert Opinions
Dow International Medical College
Karachi, Pakistan
- 1/2010 Non-Surgical Modalities for Treatment of Asthma and COPD
Research in Interventional Pulmonology
Agha Khan Medical University
Karachi, Pakistan
- 1/2010 Lung Cancer Diagnosis and Staging
Agha Khan Medical University
Karachi, Pakistan
- 1/2010 Novel Approaches to Management of Malignant Pleural Effusion
Agha Khan Medical University
Karachi, Pakistan
- 2/2009 Endobronchial Therapeutic Modalities
Lung Cancer and Bronchology Symposium
Asia Pacific Respirology Society
Singapore General Hospital
Republic of Singapore
- 2/2008 Emerging Paradigms in the Management of Malignant Pleural Effusions
French National Pulmonary Society Congress
Lille, France
- 10/2007 New Concepts in Endobronchial Ultrasound

- International Meeting on Respiratory Endoscopy
Sitges, Spain
- 7/2007 Interventional Pulmonology in the United States:
Should Pakistan Have Its First Interventional Pulmonology Prog
Shaukat Khanum Memorial Cancer Hospital and Research Center
Lahore, Pakistan
- 11/2005 Advances in Interventional Pulmonology
9th Annual Interventional Pulmonology Conference
Kamogawa, Japan
- 5/2005 New Modalities in the Management of Malignant
Pleural Effusion
XIII World Congress of Endoscopy
Sitges, Spain
- 6/2004 Novel Therapies for the Management of Benign
Endobronchial Granulation: PDT and Brachytherapy
13th World Association of Bronchology Congress
Barcelona, Spain
- 4/2003 How We Manage Trachea-Bronchial Obstruction and
Malignant Pleural Effusion at the University
of Pennsylvania (Guest of Honor Lecture)
7th National Interventional Pulmonology Congress of Japan
Osaka, Japan
- 5/2000 A Dissociation Between IL-4 and IL-13 After Segmental
Allergen Challenge in Asthma
American Thoracic Society Annual Meeting
Toronto, Canada

X. Faculty Teaching

A. Teaching and Hands-On Symposia

- 10/2019 Tunneled Pleural Catheter Placement
Cadaver Course
CHEST 2019, New Orleans
- 10/2019 Percutaneous Tracheostomy Placement
CHEST 2019, New Orleans
- 2/2019 Thoracic Ultrasound
University of Zimbabwe, Harare

- 8/2018 Train the Trainee: EBUS TBNA
West China University
Shengdu, China
- 10/2017 Instructor, Hands On Workshop
Rigid Bronchoscopy
Third Annual Assembly of Malaysian Association of Bronchology
And Interventional pulmonology
Putrajaya, Malaysia
- 11/2017 Performed/Taught Live Human Case
EBUS TBNA
Annual Interventional Bronchoscopy Conference
Ain Shams University
Cairo, Egypt
- 10/2016 Case Based Learning
Interventional Pulmonology
Post Graduate Symposium
CHEST 2016, LA
- 4/2016 Performed/Instructed – Live Cases
EBUS-TBNA, Conventional TBNA, TBNI of steroids
And Tracheal Stenosis
Pakistan Chest Conference 2016,
Lahore, Pakistan
- 3/2016 Performed/Taught- Live Case
Endobronchial Debulking and Recanalization of Airway
With Rigid Bronchoscopy and Argon Plasma Coagulation
Interventional Pulmonology Conference
Egyptian Association of Interventional Pulmonology
Cairo, Egypt
- 3/2016 Instructor, Hands on Workshop
Airway Stenting for Benign and Malignant Airway Obstruction
Interventional Pulmonology Hands on Workshop- Live Animals
Egyptian Association of Interventional Pulmonology
Cairo, Egypt
- 3/2016 Instructor, Hands on Workshop
Endobronchial Ablative Therapy- APC and Cryotherapy
Interventional Pulmonology Hands on Workshop- Live Animals
Egyptian Association of Interventional Pulmonology

Cairo, Egypt

- 2/2016 Instructor, Hands on Workshop
Placement and Removal of Indwelling Pleural Catheters
Hands on Workshop-Low and High Fidelity Training
Interventional Pulmonology in Lung Cancer
MD Anderson Cancer Center
Houston, TX
- 2/2016 Instructor, Hands on Training
Airway Stenting for Malignant Airway Obstruction
Hands on Workshop-High Fidelity
Interventional Pulmonology in Lung Cancer
MD Anderson Cancer Center
Houston, TX
- 9/2015 Instructor, Hands on Training
Indwelling Pleural Catheters placement
Pleural Workshop
18th World Conference on Lung Cancer. IASLC
Denver, CO. USA
- 9/2015 Instructor, Hands on Training
Navigation Bronchoscopy
Navigation Bronchoscopy Workshop
18th World Conference on Lung Cancer. IASLC
Denver, CO. USA
- 4/2015 Instructor, Hands on Training
Rigid Bronchoscopy and Laser ablation of Endobronchial
Tumors in cadavers
European Association of Bronchology and Interventional
Pulmonology Meeting,
Barcelona, Spain
- 1/2015 Instructor, Hands on Training
Percutaneous Tracheostomy
Annual Interventional Pulmonology Conference
Beth Israel Deaconess Medical Center
Harvard Medical College
Boston, MA
- 12/2014 Live Case Demonstration:
Rigid Bronchoscopy and Silicone Stent Placement in a Patient with
Severe Tracheal Obstruction Requiring Intubation
3rd International Conference of Chinese Medical Society of

	Interventional Pulmonology. Guangzhou Medical University Hospital Guangzhou, China
10/2014	Difficult Interventional Pulmonology Management Case Discussion Post Graduate Course American Association of Bronchology and interventional Pulmonology
	CHEST 2014 Austin, Texas
8/2014	Percutaneous Tracheostomy Human Cadaver Training 3rd Boot Camp, American Association of Bronchology
8/2014	Pleural Catheters Insertion Human Cadaver Training 3rd Boot Camp, American Association of Bronchology
8/2014 Aspiration	Endobronchial Ultrasound Guided Transbronchial Needle First EBUS Course by American Association of Bronchology and Interventional Pulmonology Ohio State University Columbus, OH
5/2014	Extraction of Foreign Bodies from the Airway Hands on Faculty Interventional Pulmonology Conference University of Montreal Montreal, Canada
5/2014	Silicone Stent Placement and Removal Hands on Faculty Interventional Pulmonology Conference University of Montreal Montreal, Canada
4/2014	Rigid Bronchoscopy and Silicone Stenting of Airways Hands on Teaching Faculty Cancer Treatment Centers of America Atlanta, GA
4/2014	Bronchial Thermoplasty

	Hands on Teaching World Congress of Bronchology and Interventional Pulmonology Kyoto, Japan 2014
4/2014	Argon Plasma Coagulation Hands on Teaching World Congress of Bronchology and Interventional Pulmonology Kyoto, Japan 2014
6/2013	Hands on Teaching Faculty Bronchial Thermoplasty Interventional Pulmonology Course Ohio State University Columbus, OH
6/2013	Hands on Teaching Faculty, Human Cadaver Course Pleural catheter Insertion Interventional Pulmonology Course Ohio State University Columbus, OH
5/2013	Instructor - Hands on Teaching Navigation Bronchoscopy Symposium on Lung Cancer Screening and Diagnosis American Thoracic Society Annual Meeting Philadelphia, PA
3/2013	Live Demonstration and Hands-on Teaching Endobronchial Ultrasound Guided Transbronchial Aspiration 1 st Interventional Pulmonology Workshop Islamabad, Pakistan
3/2013	Live Demonstration and Hands-on Teaching Radial Ultrasound 1 st Interventional Pulmonology Workshop Islamabad, Pakistan
3/2013	Live Demonstration and Hands-on Teaching Medical Pleuroscopy 1 st Interventional Pulmonology Workshop Islamabad, Pakistan
3/2013	Live Demonstration and Hands-on Teaching Endobronchial Tumor Ablation and Airway Stenting 1 st Interventional Pulmonology Workshop Islamabad, Pakistan

1/2013	Hands-on Teaching Medical Pleuroscopy, Live Human Case Aga Khan University Hospital Karachi, Pakistan
1/2013	Hands-on Teaching Endoscopic tumor ablation and debulking with Electrocautery Aga Khan University Hospital Karachi, Pakistan
4/2012	Instructor, Hands-On Teaching Endobronchial Ultrasound 50 th , Annual Weil Eisenhower Medical Center Symposium on Critical Care and Emergency Medicine Las Vegas, NV
5/2012	Instructor, Hands-On Teaching Radial Ultrasound for the Diagnosis of Pulmonary Nodule American Thoracic Society Annual Meeting San Francisco, CA
5/2012	Instructor, Hands-On Teaching Endobronchial Ultrasound American Thoracic Society Annual Meeting San Francisco, CA
3/2012	Instructor, Hands-On Teaching Navigation Bronchoscopy Memorial Sloan-Kettering Cancer Center New York, NY
2/2012	Live Human Case Demonstration EBUS-TBNA Jinnah Post-Graduate Medical Center Karachi, Pakistan
10/2011	Instructor, Hands-On Teaching Navigation Bronchoscopy Post-Graduate Course, American Assoc. of Bronchology and Interventional Pulmonology American College of Chest Physicians Annual Meeting Honolulu, HI
10/2011	Instructor, Hands-On Teaching

	Conventional Transbronchial Needle Aspiration Simulation Bronchoscopy Course American College of Chest Physicians Annual Meeting Honolulu, HI
9/2011	Instructor, Hands-On Teaching Endobronchial Ultrasound Duke University Durham, NC
7/2011	Endobronchial and Endoscopic Ultrasound for Mediastinal Staging of Lung Cancer Simulation Bronchoscopy Course American College of Chest Physicians Chicago, IL
7/2011	Hands-On Teaching Complications of Flexible Bronchoscopy Simulation Bronchoscopy Course American College of Chest Physicians Chicago, IL
7/2011	Hands-On Teaching Extraction of Foreign Bodies from Airways Simulation Bronchoscopy Course American College of Chest Physicians Chicago, IL
7/2011	Hands-On Teaching Radial Ultrasound Simulation Bronchoscopy Course American College of Chest Physicians Chicago, IL
6/2011	Endobronchial Ultrasound Symposium Live Human Cases (live telecast) Army Hospital Rawal-Pindi, Pakistan
5/2011	Hands-On Teaching Endobronchial Ultrasound American Thoracic Society Annual Meeting Denver, CO
4/2011	Hands-On Teaching Endobronchial Ultrasound Interventional Pulmonology Course

Emory University
Atlanta, GA

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| 3/2011 | Hands-On Teaching, Live Animal Models
Rigid Bronchoscopy
Interventional Pulmonology Course
Lahey Clinic
Boston, MA |
| 10/2010 | Hands-On Teaching, Animal Models
Rigid Bronchoscopy
Oxford University
Churchill Hospital
United Kingdom |
| 10/2010 | Hands-On Teaching, Animal Models
Airway Stenting
Oxford University
Churchill Hospital
United Kingdom |
| 9/2010 | Hands-On Teaching, Animal Model
Endobronchial Ultrasound Course
Duke University
Durham, NC |
| 6/2010 | Hands-On Training Workshop Mentor
Endobronchial Ultrasound
King Khalid University Hospital
Riyadh, Saudi Arabia |
| 6/2010 | Hands-On Training Workshop Mentor
Medical Pleuroscopy
King Khalid University Hospital
Riyadh, Saudi Arabia |
| 5/2010 | Sunrise Seminar on Lung Cancer
Emerging Paradigms in the Management of Malignant
Pleural Effusion
American Thoracic Society Annual Meeting
New Orleans, LA |
| 5/2010 | Faculty, Hands-On Teaching
Post-graduate Fellow IP Course |

	Indwelling Pleural Catheter Insertion American Thoracic Society Annual Meeting New Orleans, LA
4/2010	Endoscopic Staging of Lung Cancer Interventional Pulmonology Course Emory University Atlanta, GA
4/2010	Hands-On Teaching, Live Animals Medical Pleuroscopy Interventional Pulmonology Course Emory University Atlanta, GA
4/2010	Hands-On Teaching, Live Animals Indwelling Pleural Catheters Interventional Pulmonology Course Emory University Atlanta, GA
4/2010	Hands-On Teaching, Live Animals Endobronchial Ultrasound guided TBNA Interventional Pulmonology Course Emory University Atlanta, GA
3/2010	Instructor, Hands-On Teaching Medical Pleuroscopy 1st Gulf Thoracic Conference Abu Dhabi, UAE
2/2010	Hands-On Teaching Radial Endobronchial Ultrasound Bronchoscopy Skills Course American College of Chest Physicians Chicago, IL
2/2010	Hands-On Teaching, Animals Conventional Transbronchial Needle Aspiration Bronchoscopy Skills Course American College of Chest Physicians Chicago, IL
2/2010	Hands-On Teaching, Animals

	Peripheral Pulmonary Ultrasound for Lung Nodule Biopsy Bronchoscopy Skills Course American College of Chest Physicians Chicago, IL
2/2010	Instructor, Didactic Section Post-Test for Bronchoscopy Skills Course American College of Chest Physicians Chicago, IL
11/2009	Instructor, Hands-On Teaching Endobronchial Ultrasound American Association of Bronchology Post-Graduate Symposium American College of Chest Physicians Annual Meeting San Diego, CA
11/2009	Faculty; Hands-On Teaching Rigid Bronchoscopy Interventional Bronchoscopy Course Marseille, France
11/2009	Faculty; Hands-On Teaching Faculty Endobronchial Laser Therapy and Silicone Stenting Interventional Bronchoscopy Course Marseille, France
10/2009	Hands-On Teaching Navigation Bronchoscopy Minneapolis, MN
5/2009	Hands-On Teaching Cryotherapy and Aragon Plasma Coagulation Post-grad Fellow Course American Thoracic Society Annual Meeting San Diego, CA
4/2009	Visiting Faculty, Hands-On Teaching Airway Bypass Procedure - EASE Trial Emory University Atlanta, GA
2/2009	Visiting Faculty, Hands-On Teaching Self-Expandable Metallic Stents Lung Cancer and Bronchoscopy Symposium Asia Pacific Respiratory Society Singapore General Hospital

Republic of Singapore

- 12/2008
Aspiration
Visiting Faculty, Hands-On Teaching
Endobronchial Ultrasound-Guided Transbronchial Needle
First Interventional Pulmonology Course for Chest Physicians
Duke University School of Medicine
Durham, NC
- 11/2008
Visiting Faculty, Hands-On Teaching
Endobronchial Ultrasound with Live Human Cases
Interventional Pulmonology Course
St. Marguerite Hospital
Marseille, France
- 11/2008
Visiting Faculty, Hands-On Teaching
Rigid Bronchoscopy and Silicone Stent Placement in
Live Animal Models
Interventional Pulmonology Course
St. Marguerite Hospital
Marseille, France
- 11/2008
Visiting Faculty, Hands-On Teaching
Rigid Bronchoscopy and Laser Ablation of Endobronchial
Lesions in Live Animal Models
Interventional Pulmonology Course
St. Marguerite Hospital
Marseille, France
- 11/2008
Visiting Faculty and Moderator
Rigid Bronchoscopy in Live Human Cases
Interventional Pulmonology Course
St. Marguerite Hospital
Marseille, France
- 10/2007
Faculty Instructor, Hands-On Teaching
Placement of Endobronchial Valves for Bronchoscopic
Lung Volume Reduction
International Meeting, Respiratory Endoscopy
Sitges, Spain
- 10/2007
Visiting Faculty
Airway Thermoplasty
St. Marguerite Hospital
Marseille, France

10/2007	Visiting Faculty Live Endobronchial Ultrasound guided TBNA Demonstration and Case Presentation St. Marguerite Hospital Marseille, France
10/2007	Faculty Instructor, Hands-On Teaching Rigid Bronchoscopy and Silicone Stent Placement St. Marguerite Hospital Marseille, France
10/2007	Faculty Instructor, Hands-On Teaching Rigid Bronchoscopy and Silicone Stent Placement Pulmonary and Critical Care Fellows Conference American College of Chest Physicians Annual Meeting Chicago, IL
10/2007	Faculty Instructor; Hands-On Teaching Medical Pleuroscopy Interventional Pulmonology Didactic and Hands-On Course American Association of Bronchology American College of Chest Physicians Annual Meeting Chicago, IL
10/2007	Faculty Instructor, Hands-On Teaching Pleural Catheter Placement American Association of Bronchology American College of Chest Physicians Annual Meeting Chicago, IL
10/2007	Interventional Pulmonology Didactic and Hands-On Course American Association of Bronchology American College of Chest Physicians Annual Meeting Chicago, IL
10/2007	Faculty Instructor Simulation Bronchoscopy Simulation Center American College of Chest Physicians Annual Meeting Chicago, IL
7/2007	Visiting Faculty, Hands-On Teaching Interventional Techniques Shaukat Khanum Memorial Cancer Research and Clin Ctr

Lahore, Pakistan

10/2006	Faculty Instructor Pleural Catheter Insertion American Association of Bronchology Post-Grad Course San Diego, CA
10/2006	Faculty Instructor Pleuroscopy American Association of Bronchology Course San Diego, CA
10/2006	Visiting Faculty Transbronchial Needle Aspiration in Live Human Cases St. Marguerite Hospital Marseille, France
10/2006	Visiting Faculty Airway Thermoplasty: A New Management for Asthma St. Marguerite Hospital Marseille, France
10/2006	Visiting Faculty Endobronchial Ultrasound in Live Human Cases St. Marguerite Hospital Marseille, France
10/2006	Visiting Faculty Rigid Bronchoscopy in Live Human Cases St. Marguerite Hospital Marseille, France
10/2006	Pleural Catheter Insertion; Hands-On Teaching American Association of Bronchology Post Graduate Course American College of Physicians Annual Meeting Salt Lake City, UT
10/2006	Pleuroscopy; Hands-On Teaching American Association of Bronchology Post-Graduate Course American College of Physicians Annual Meeting Salt Lake City, UT
9/2006	Instructor Rigid Bronchoscopy: Technique and Instruments Richard Wolfe Sales Force and Management Training

Chicago, IL

4/2006

Visiting Faculty
Endobronchial Ultrasound Basics
Hands-On Teaching for Chest Physicians and Surgeons
Frankford Hospital
Baltimore, MD

4/2006

Visiting Faculty
Endobronchial Ultrasound
Hands-On Teaching with Animal Models for
Chest Physicians and Surgeons
Frankford Hospital
Baltimore, MD

11/2005

Visiting Faculty
First-Ever Placement of an Indwelling Pleural Catheter (Pleurx)
St. Mariana University
Kawasaki, Japan

11/2005

Effusions

Visiting Faculty
Emerging Paradigms in Management of Malignant Pleural
St. Mariana University
Kawasaki, Japan

10/2005

Faculty Instructor
Medical Thoracoscopy
13th Annual Association of Bronchology
Post-Graduate Course
American College of Physicians Annual Meeting
Montreal, Canada

10/2005

Faculty Instructor
Malignant Pleural Effusion: Diagnosis and Management Options
13th Annual Association of Bronchology
Post-Graduate Course
American College of Physicians Annual Meeting
Montreal, Canada

10/2005

Visiting Faculty
Endobronchial Ultrasound in Interventional Pulmonology
Hands-On Teaching for International Faculty
St. Marguerite Hospital, University of Timone
Marseille, France

10/2005	Visiting Faculty Rigid Bronchoscopy and Dumon Stent Placement Live Case Presentation for Visiting/International Faculty St. Marguerite Hospital, University of Timone Marseille, France
6/2004	Visiting Faculty Demonstration Insertion of Small Bore Tunneled Pleural Catheter (Pleurx) Landeskrankenhaus – Universitätskliniken Innsbruck, Austria
4/2004	Visiting Faculty Demonstration Insertion of Small Bore Tunneled Pleural Catheter (Pleurx) Centre Hospitalier d'Aix-en-Provence Aix-en-Provence, France
11/2003	Instructor, Hands-On Teaching Endobronchial Ultrasound American Association of Bronchology American College of Physicians Annual Meeting Orlando, FL
08/2002	Introduction to Interventional Pulmonology, Hands-On session for the Bronchoscopy Nursing and Technical Staff Annual Endoscopy Retreat Hospital of the University of Pennsylvania Philadelphia, PA

B. Lectures at Medical Schools, Grand Rounds, National & International Medical Conferences

09/2021	Marriage of Anesthesia and Interventional Pulmonology Anesthesia Grand Rounds University of Colorado, Denver
10/2020	Global Health and International Opportunities for Medical Students. 1 st Year Medical Students Global Health Lecture School of Medicine
12/2019	Interventional Pulmonology – Sharing the Airway Grand Rounds, Department of Anesthesia

University of Colorado, Denver

- 11/2019 Global Health Program of the University of Colorado
Department of Medicine
University of Colorado, School of Medicine
Global Health Track Lecture Series
- 2/2019 Management of Malignant Pleural Effusion
Medical Grand Rounds
University of Zimbabwe, Harare
- 2/2019 Thoracic Ultrasound Basics
Internal Medicine Residents Didactic
University of Zimbabwe, Harare
- 8/2018 Interventional Pulmonology: A Global Perspective
School of Public Health
University of Colorado, Denver
- 7/2108 Bronchial Thermoplasty: A Novel Therapy for Severe Asthma
Aspen Allergy and Immunology Conference
Aspen, CO
- 6/2018 Complex Upper Airway Diseases and Management
ENT Grand Rounds
University of Colorado, Denver
- 10/2017 Interventional Pulmonology: A Paradigm Shift in Chest Medicine
Department of Medicine Grand Rounds
University of Colorado, Denver
- 01/2016 Interventional Pulmonology Clinical and Research Programs
at MCW
Internal Medicine Grand Rounds
Medical College of Wisconsin
WI, USA
- 11/2015 Life of an International Graduates in Academic Medicine
Global Health Program Student Teaching Curriculum
Medical College of Wisconsin, WI
- 9/2015 Interventional Pulmonology: Clinical and Experimental Progress
Thoracic Surgery Grand Rounds
Medical College of Wisconsin
Milwaukee, WI

9/2015	Introduction to Interventional Pulmonology and Novel Therapies for Benign Diseases Allergy and Immunology Grand Rounds Medical College of Wisconsin Milwaukee, Wisconsin
9/2014	Novel Treatment of Asthma, Bronchial Thermoplasty Is It Time To Try It In Children? Pediatric Pulmonary Grand Rounds Children's Hospital University of Colorado Denver, CO
5/2014	Diagnosis of Mediastinal Adenopathy and Masses with Endobronchial Ultrasound Pulm /CC Fellows Conference University of Colorado Denver, CO
2/2014	Lung Cancer Screening, Diagnosis and Staging Medical Grand Rounds Valley View Hospital Glenwood Springs, CO
2/2014	Bench to Bazaar Developing Medical Technology Medical Resident's Annual Retreat University of Colorado Denver, CO
6/2013	Lung Cancer Tumor Board Medical Grand Rounds National Jewish Health and University of Colorado Denver, Co
2/2013	Interventional Pulmonology Nodes, Nodules and Beyond Hershey Penn State University Hospital Pennsylvanian, PA
6/2012	Mind to Market Surgical Grand Rounds, ENT Surgery University of Colorado Denver Aurora, CO

2/2012	Endobronchial Ultrasound For The Diagnosis and Staging Of Lung Cancer Jinnah Post Graduate Center Sindh Medical College Karachi, Pakistan
2/2012	Introduction To Interventional Pulmonology Medical Grand Rounds Agha Khan University Hospital Karachi, Pakistan
12/2011	Interventional Pulmonology “Beyond Nodes and Nodules” Medical Grand Rounds University of South Carolina Columbia, SC
10/2011	Novel Endobronchial Ablative Therapies for Lung Cancer Post-Graduate Course: American Association of Bronchology And Interventional Pulmonology American College Of Chest Physicians Annual Meeting Honolulu, HI
8/2011	Introduction to Interventional Pulmonology Medical Grand Rounds University of Colorado Denver, CO
6/2011	Pleural Effusion Medical Residents Journal Club Facilitator / Expert University of Colorado Denver, CO
6/2011	Introduction to Interventional Pulmonology Medical Grand Rounds Army Medical College Rawal-Pindi, Pakistan
6/2011	Meet the Professor: Career Goals and Research Opportunities in Medicine Army Medical College Rawal-Pindi, Pakistan
11/2009	Airway Thermoplasty AIR-2 Trial Updates Interventional Bronchoscopy Course Marseille, France

11/2009	Bronchoscopic Lung Volume Reduction-Clinical Trials Update Interventional Bronchoscopy Course Marseille, France
11/2009	Moderator: Rigid Bronchoscopy Live Sessions (6) Interventional Bronchoscopy Course Marseille, France
05/2009	Management of Malignant Pleural Effusions Pulmonary Grand Rounds Temple University Philadelphia, PA
05/2009	Emerging Paradigms in The Management of Malignant Pleural Effusions Fox Chase Cancer Center Philadelphia, PA
05/2009 Pleural	Emerging Paradigms in The Management of Malignant Effusions Penn State University Medical Center Hershey, PA
03/2009	Tracheobronchomalacia and Hyperdynamic Airway Collapse Pulmonary and Thoracic Surgery Research In Progress University of Colorado and National Jewish Health Denver, CO
03/2009	Endobronchial Ultrasound for Diagnosing and Staging of Lung Cancer Pulmonary Ground Rounds Einstein University Medical Center Philadelphia, PA
03/2009	Malignant Pleural Effusion Medical Grand Rounds Rose Medical Center Denver, CO
01/2009	Pulmonary Oncology Medical Grand Rounds Agha Khan Medical University

Karachi, Pakistan

- 01/2009 CT Surgery/Interventional Radiology
Medical Grand Rounds
Agha Khan Medical University
Karachi, Pakistan
- 12/2008 Indwelling Long-Term Pleural Catheters for the Treatment of
Malignant Pleural Effusion. First Interventional Pulmonology
Course for Chest Physicians
Duke University, School of Medicine
Durham, NC
- 11/2008 Airway Thermoplasty for the Treatment of Asthma.
Interventional Pulmonology Course
St. Marguerite Hospital
Marseille, France
- 10/2008 Benign vs. Malignant Airway Diseases: Selecting the Best
Bronchoscopic Treatment Modality
American Association for Bronchology and Interventional
Pulmonology – Post-Graduate Course
American College of Physicians Annual Meeting
Philadelphia, PA
- 10/2008 Thorascopy/Pleurx
American Association of Bronchology and Interventional
Pulmonology – Post-Graduate Course
American College of Physicians Annual Meeting
Philadelphia, PA
- 9/2008 Malignant Pleural Effusions: Diagnosis and Therapeutic
Options
Medical Grand Rounds
Saint Carlos Hospital
Madrid, Spain
- 8/2008 Interventional Pulmonology Diagnostics,
Therapeutics/Research
Medical Grand Rounds
Saint Mary's Medical Center
Grand Junction, CO
- 8/2008 Interventional Pulmonology for Benign and Malignant
Lung Diseases
Medical Grand Rounds

St. Luke's Medical Center
Denver, CO

5/2008 Interventional Pulmonology Diagnostics and Therapeutics
Interventional Pulmonology Seminar
National Jewish Health
Denver, CO

5/2008 Management of Malignant Pleural Effusions
Interventional Pulmonology Seminar
National Jewish Health
Denver, CO

5/2008 Interventional Pulmonology – Something for Every
Pulmonologist
Argon Plasma, Cryotherapy and Electrocautery
American Thoracic Society, Post Graduate Course
San Diego, CA

2/2008 Interventional Pulmonology and Lung Cancer
Lincoln Pulmonary Associates
Lincoln, NB

2/2008 Diagnostic and Therapeutic Bronchoscopy
Rose Medical Center – Nursing and Peri-Op Training Course
Denver, CO

1/2008 Clinical Research in Interventional Pulmonology
Respiratory Research in Progress (RIP)
University of Colorado and National Jewish Health
Denver, CO

1/2008 Interventional Pulmonology Procedures Under Conscious Sedation
National Jewish Health Nurses and Technicians Training Course
Denver, CO

1/2008 Interventional Pulmonology (Now Available in Denver, CO)
National Jewish Health and University of Colorado
Denver, CO

10/2007 Malignant Pleural Effusion: Management Options
Medical Grand Rounds
Englewood Hospital
Englewood, NJ

08/2007 Pleural Effusion: Differential Diagnosis

Summer Lecture Series
Pulmonary and Critical Care
Hospital of the University of Pennsylvania
Philadelphia, PA

- 07/2007 Malignant Pleural Effusion, Diagnosis and Therapeutic Options
Shaukat Khanum Memorial Cancer Hospital and Research Center
Lahore, Pakistan
- 05/2007 Bronchial Thermoplasty: A Novel Therapy for Asthma
Fellows Conference
University of Pennsylvania
Philadelphia, PA
- 04/2007 Bronchoscopic Interventions in Lung Cancer
Lung Cancer Lecture Series
University of Pennsylvania
Philadelphia, PA
- 04/2007 Interventional Pulmonology Diagnostics, Therapeutics
and Clinical Research
Pulmonary Grand Rounds
East Carolina University
Greenville, NC
- 03/2007 Early Diagnosis of Lung Cancer
Lung Cancer Lecture Series
University of Pennsylvania
Philadelphia, PA
- 02/2007 Endobronchial Treatment of Emphysema
Using Intra-Bronchial Valves
Thoracic Surgery Grand Rounds
Chiba University School of Medicine
Chiba, Japan
- 02/2007 Emerging Diagnostic and Therapeutic Modalities In Pulmonary
Medicine
Pulmonary and Thoracic Surgery Grand Rounds
St. Mariana University Hospital
Kawasaki, Japan
- 02/2007 Paradigm Shift in the Management of Malignant Pleural Effusion
Pulmonary and Thoracic Surgery Grand Rounds
St. Mariana University Hospital
Kawasaki, Japan

- 12/2006 Interventional Pulmonology Therapeutics and
Clinical Research at the University of Pennsylvania
University of Colorado and National Jewish Health
Denver, CO
- 11/2006 Paradigm Shift in the Management of Malignant Pleural Effusion
Grand Rounds, Pulmonary and Critical Care
Einstein Hospital
Bronx, NY
- 11/2006 Emerging Modalities in the Management of Pleural Effusion
Grand Rounds, Emergency Department
Hospital of the University of Pennsylvania
Philadelphia, PA
- 09/2006 Airway Thermoplasty: A New Management Option for Asthma
Lehigh Valley Hospital Respiratory Retreat
Allentown, PA
- 09/2006
Effusions Emerging Paradigms in the Management of Malignant Pleural

Pulmonary Didactic Lecture
Hospital of the University of Pennsylvania
Philadelphia, PA
- 05/2006 Interventional Bronchoscopy in Lung Cancer
Lung Cancer Retreat 2006
Abramson Cancer Research Center
University of Pennsylvania
Philadelphia, PA
- 04/2006 Airway Thermoplasty; A Novel Experimental Approach to
Asthma Management
Hahnemann University Hospital
Philadelphia, PA
- 04/2006 Malignant Pleural Effusion; New Modalities in Management
Thomas Jefferson University Hospital
Philadelphia, PA
- 02/2006 New Approaches in the Management of Malignant
Pleural Effusion
Cancer Grand Rounds
Rhode Island Hospital, A Brown University Partner
Providence, RI
- 02/2006 Diagnoses and Treatment of Malignant Effusion

	Medical Grand Rounds New York Presbyterian Hospital Queens, NY
12/2005	Management of Pleural Effusions Pulmonary Lecture Series Holy Redeemer Hospital Philadelphia, PA
11/2005	Therapeutic Bronchoscopy Lung Cancer Lecture Series Hospital of the University of Pennsylvania Philadelphia, PA
11/2005	Emerging Paradigms in Management of Malignant Pleural Effusion St. Mariana University Kawasaki, Japan
09/2005	Diagnosis and Management of Malignant Pleural Effusion Summer Lecture Series Division of Pulmonary and Critical Care Medicine Hospital of the University of Pennsylvania Philadelphia, PA
09/2005	Management of Malignant Pleural Effusions: Emerging Paradigms Grand Rounds Long Island Jewish Hospital Huntington, NY
09/2005	Malignant Pleural Effusion Management: Minimally Invasive and Outpatient Approaches Pulmonary Conference New York Hospital, Cornell University Ithaca, NY
08/2005	Novel Approaches to Management of Malignant Pleural Effusions Tumor Board Lecture Series New York Methodist Hospital Brooklyn, NY
07/2005	Malignant Pleural Effusion Oncology/Pulmonary Grand Rounds Bayonne Medical Center Bayonne, NJ

- 04/2005 Therapeutic Interventions in Airways and Pleural Diseases
Lung Cancer Conference
Hospital of the University of Pennsylvania
Philadelphia, PA
- 07/2004 Anesthesia for Rigid and Flexible Bronchoscopy
Anesthesia Conference
Presbyterian Hospital Center, University of Pennsylvania
Philadelphia, PA
- 06/2004 Introduction to Bronchoscopic and Pleural Procedures
Multidisciplinary OR and Endoscopy Conference
Presbyterian Hospital Center, University of Pennsylvania
Philadelphia, PA
- 06/2004 Malignant Pleural Effusion Pleuroscopy, Chest Tube or Pleurx
Landeskrankenhaus – Universitätskliniken
Innsbruck, Austria
- 04/2004 Options for the Management of Malignant Pleural Effusion
Centre Hospitalier d'Aix-en-Provence
Aix-en-Provence, France
- 04/2004 Management of Malignant Pleural Effusion with Small
Bore Tunneled Catheter
Diagnostic and Therapeutic Thoracoscopy Course
Hôpital de La Timone
Faculté de Médecine School of Medicine
Marseille, France
- 11/2003 Interventional Pulmonology: Potential in the Developing World
University of West Indies
Kingston, Jamaica
- 04/2003 Therapeutic Options in the Management of Benign and Malignant
Trachea-Bronchial Obstruction and Management of Malignant
Pleural Effusion with an Indwelling Pleural Catheter
Hiroshima University
Hiroshima City, Japan
- 03/2003 Interventional Modalities for Endobronchial Obstruction and
Malignant Pleural Effusion
Einstein Medical Center
Philadelphia, PA
- 03/2003 Management of Endobronchial Obstruction

Thomas Jefferson University Hospital
Philadelphia, PA

07/2002 In-Service Training
Pleurodesis with the Pleurx Catheter as an Outpatient Procedure
Endoscopy Nursing and Technical Staff Training
Hospital of the University of Pennsylvania
Philadelphia, PA

C. Medical Student Preceptor

2012-2014 Co-mentor for Dr. Jennifer Honda, CCTSI Mentored Pilot Program
University of Colorado Denver Anschutz Medical Campus

2004-2007 Instructor, MD 3002 – Doctoring course for Medical Student

2003-2007 Role Modeling - Junior Medical Students

2003-2007 ICU and Consult Teaching Rounds
Penn Presbyterian Medical Center
Philadelphia, PA

2001-2007 Clinical Mentor, Pulmonary Outpatient Office
University of Pennsylvania Hospital
Philadelphia, PA

2001-2007 Attending, Advance Lung Disease and Consult Teaching Rounds
Hospital of the University of Pennsylvania
Philadelphia, PA

9/2002 Instructor, Pathophysiology Course
University of Pennsylvania
Philadelphia, PA

D. Postdoctoral Fellows

University of Colorado, Denver

Jared Lee MD 2020-2021

Niral Patel MD 2019-2020
University of California, Irvine

Chris Kniese MD 2018-2019
Current Position: Director IP,

Indiana University, Indianapolis

Medical College of Wisconsin, Milwaukee

XXXXXXXXXXXX MD 2016-2017

National Jewish Health and University of Colorado, Denver, CO

Akrum Al Zubaidi MD 2014-2015

Current Position: Associate Program Director, IP
National Jewish and University of Colorado Denver
CEO: EON Inc

Kendra Hammond MD 7/2013- 6/2014

Current Position: Director, Interventional Pulmonology
Loyola University Hospital, Chicago IL

Justin Thomas MD 7/2012-6/2013

Current Position: Director, Interventional Pulmonology
Eisenhower Medical Center, Palm Springs, CA

Joseph Seaman MD, MBA 7/2011-6/2012

Current Position: Director, Interventional Pulmonology Program
Sarasota Hospital, Sarasota, FL

David Hsia, MD 7/2010- 6/2011

Current Position: Director of Interventional Pulmonology
Assistant Professor of Medicine
Division of Pulmonary and Critical Care, University of California, Los Angeles
Harbor Campus, Los Angeles, CA

Kurt W. Jensen, MD 7/2009-6/2010

Current Position: Director of Interventional Pulmonology
Tacoma Pulmonary Associates, Tacoma, WA

University of Pennsylvania, Philadelphia, PA

Steven Leh, MD 1/2007-12/2007

Current Position: Director Interventional Pulmonology
Aurora St. Luke's Medical Center, Milwaukee, WI

Colin Gillespie, MD 1/2006-12/2006

Current Position: Interventional Pulmonology Service,
University of Pennsylvania, Philadelphia, PA

Andrew Hass, MD, PhD 1/2005-12/2005

Current Position: Director of Interventional Pulmonology

University of Pennsylvania, Philadelphia, PA

Michael Machuzak, MD 1/2004-12/2005
Current Position: Associate Director, Interventional Pulmonology
Cleveland Clinic, Cleveland, OH

Mark Lund, MD 2003
Current Position: Director Interventional Pulmonology
Cancer Centers of America, Drexel University, Philadelphia, PA

Robert Krukltis, MD, PhD 2003
Current Position: Chief of Pulmonary and Critical Care, Director, Interventional Pulmonology
Lehigh Valley Hospital, Allentown, PA

E. Visiting International and U.S. Pulmonary Fellows Program:

2008-Present National Jewish Health

Local Fellows From Colorado And Surrounding Areas:

Timothy Bedient, MD University of Colorado, Denver
11/2011 – 6/2012

Visiting International Pulmonology Fellows Program (VIP):

2009

Amit Dhamaga MD	All India Medical Institute, New Delhi, India
Sudhir Nair MD	Mumbai, India
Katharine Kepsioti, MD	London, England
Ali Zubari, MD	Aga Khan Medical University, Karachi, Pakistan

2010

Hamza Jawad, MD.	Aga Khan Medical University, Karachi, Pakistan
Matias Florenzano, MD	Clinico Los Condos, Santiago, Chile

2011

Uzair Khan Ghori, MD	Army Medical College, Islamabad, Pakistan
Girish Sindhwani, MD	Himalayan Institute of Medical Sciences Dehradun, India
Nabeel Siddiqui, MD	Aga Khan Medical University, Karachi, Pakistan
Viridiana Salinas, MD	San Juan University Hospital, Puerto Rico
Summera Ijaz, MD	Al-Shifa Hospital, Islamabad, Pakistan
Antonio Padua, MD	Puerto Rico, Private Pulmonologist

2012

Moaz Choudhary, MD	Aga Khan Medical University, Karachi, Pakistan
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Muhammad Sajawal Ali, MD	Aga Khan Medical University, Karachi, Pakistan
Hamid Ullah, MD	Aga Khan Medical University, Karachi, Pakistan
Muhammad Owais Malik, MD	Aga Khan Medical University, Karachi, Pakistan
Rafid Al Daly, MD	University of Al-Mustansiriya School of Medicine, Iraq
Saeed, Ali, MD	Aga Khan Medical University, Karachi, Pakistan
Eesha Khan, MD	Aga Khan Medical University, Karachi, Pakistan
<u>2013</u>	
Durdana Khan	Army Medical College, Islamabad, Pakistan
Sonia Malik	Army Medical College, Islamabad, Pakistan
<u>2014</u>	
Hira Irfan	Dow University of Health Sciences, Karachi, Pakistan
Asfar Ghauri	Aga Khan Medical University, Karachi, Pakistan
Faria Bhatti	Aga Khan Medical University, Karachi, Pakistan
Rabia Zahid Bhalli	Army Medical College, National University of Science & Technology, Pakistan
Ahsan Muhammad	Aga Khan Medical University, Karachi, Pakistan
Mohammad Ehtisham	Army Medical College, National University of Science & Technology, Pakistan
Rehan Munir	Aga Khan Medical University, Karachi, Pakistan
Sidra Hassan	Aga Khan Medical University, Karachi, Pakistan
Dr. Jiwang Wang, MD, PhD	First Affiliated Hospital of Nanjing, China
<u>2015</u>	
Ahmed Awab, MD	Assistant Professor, University of Oklahoma, Oklahoma City, OK
Rehmat Ullah Awan	Aga Khan Medical University, Karachi, Pakistan
Virgil Secasanu, MD	University of Colorado College of Medicine, Denver, CO
Muhammad S. Ali	John H. Stroger Hospital of Cook County, Chicago,
<u>2016</u>	<u>Global Scholars Program-MCW</u>
Aamer Mohammad	Agha Khan University Hospital Karachi, Pakistan
Rosmadi Ismail MD	University of Kuala Lumpur, Malaysia (6 Months)
Mohammad Younis MD	University of Cairo, Egypt (3 months)
Taha Sheikh	Dow Medical College, Karachi Pakistan
Danish Henry	Dow University of Health Sciences, Karachi, Pakistan
<u>Visiting Fellows from National Programs:</u>	
Brian Boer, MD.,PhD	University of Nebraska (5/1/14 to 5/30/14)
Nurian Mirza, MD	Brown University, Rhode Island

IL

Oliver Romero, MD	University of California, Fresno
Oleg Kouskov, MD	University of Oregon, Portland
Alaa Al Gandi, MD	Private Practice, Florida
Katarine Egressy, MD, MPH	Madison, Wisconsin

2002-2007 University of Pennsylvania, Philadelphia
Visiting International Pulmonology Fellows from Europe, Asia and Africa
Visiting Fellows from National Programs (1-3 months, Mini-Fellowship)

XI. Research Grants, Contracts, and Special Grants

A. Current Research Grant Support

Pending:

- Measurements of the human-to-human transmission of airborne infectious agents, including SARS-CoV-2, to mitigate the rapid spread of the novel coronavirus disease.
R23
Site PI: Ali Musani
Global PI: Joshua W. Schaeffer, PhD, MS, CIH
Colorado State University, Fort Collins, CO
- Principal Investigator: Ali Musani
A Multicenter, Randomized Controlled Trial, Prospectively Evaluating the Clinical Utility of the Nodify XL2 Proteomic Classifier in Incidentally Discovered Low to Moderate Risk Lung Nodules
Industry Sponsored
2020-2022

Current:

- Biomarker-driven management of indeterminate pulmonary nodules
RO1
Site Investigator: Ali Musani
PIs: Pierre P. Massion, MD
Vanderbilt Ingram Cancer Center
Nashville TN, 37232

Anna Barón, PhD
Anschutz Medical Campus
University of Colorado, Denver, Aurora, CO 80045
2020-2025
- Use of ultrasound guidance for thoracentesis in resource limited settings
Subject: COMIRB Protocol 21-2482

Global PI: Ali Musani
Site PI: Nepal – Tribhuvan University, Kathmandu
Site PI: Zimbabwe – University of Zimbabwe, Harare

- COVID19 Aerosolization Pilot Study
COMIRB Protocol 20-1183
Site PI: Ali Musani
Global PI: Joshua W. Schaeffer, PhD, MS, CIH
Colorado State University, Fort Collins, CO
2020-2022
- Principal Investigator
A Phase 2 randomized, placebo-controlled, double-blind, dose-ranging study evaluating LTI-01 (single-chain urokinase plasminogen activator, scuPA) in patients with loculated, non-draining paraneumonic pleural effusions
Industry Sponsored
2019-2021
- Principal Investigator
COMIRB No: 19-2492
Use of Ultrasound in the Immediate Post-procedure care of patients undergoing Bronchoscopic Lung Volume Reduction Procedure
2019-2021
- Co-Investigator
Pulmonary Nodule Biomarker Trial
COMIRB#09-1106
2017-2019

Previous:

- Principal Investigator
Safety and efficacy of Photodynamic Therapy in the Treatment of Lung Cancer in Humans.
Research Award \$ 100,000
2017-2019
- Principal Investigator
Percepta
Lung Cancer Diagnosis with Genomic Markers
Industry Supported
2016-2018
- Principal Investigator
Safety and efficacy of Photodynamic Therapy in the Treatment of Lung Cancer in Canine Model.

Research Award \$ 35,000
2015-2016

- Principal Investigator
Association Between Tracheobroncho-Malacia and Obstructive Sleep Apnea
A prospective, Investigator Initiated Study
Research Award \$30,000
2014-2015
- Principal Investigator
Bronchoscopic Lung Volume Reduction
PneumoRx Coils Study (RENEW)
Industry Grant
Award: \$150,000.00
2014-2015
- Principal Investigator
Correlation Between Tracheobroncho Malacia and Obstructive Sleep Apnea
Investigator initiated Trial
Study Period: 3/2014-3/2016
Award Amount: \$ 30,000
- Principal Investigator
Bronchoscopic Treatment of Lung Cancer in Animal Models (Phase 1)
Investigator Initiated Study
Study Period: 4/2013-4/2015
Award Amount: \$ 30,000
- Principal Investigator
Aeris Trial: Bronchoscopic Lung Volume Reduction using Biologic Glue
Award Period: 1/2013-1/2015
Award Amount: \$94,550.00
- Principal Investigator-NJH
Inherited Genetic Risk Factors Common to Lung Cancer and COPD: (LC-COPD)
Supported in part by Colorado CTSA grant 1 UL1 RR025780 from NCRR/NIH
- Co-Investigator
Resistance of Nontuberculous Mycobacteria to the Cthelcidin Antibacterial Peptide
Award Period: 3/2012-3/2014
- Principal Investigator
Validation of a Multi-Gene Test for Lung Cancer Risk (LCRT)
Supported in part by Colorado CTSA grant 1 UL1 RR025780 from NCRR/NIH

Award Period: 8/2011-8/2013

Award Amount: \$ 70,297 Industry, \$ 20,000 NCRR/NIH

- Principal Investigator
Airway Epithelium Gene Expression in the Diagnosis of Lung Cancer
Allegro Industry Grant
Award period: 2011-2013
Award amount: 80,116.00
- Principal Investigator
Predictors of Bronchial Thermoplasty
Investigator-initiated, multi-center, prospective, controlled, non- randomized trial
Supported in part by Colorado CTSA grant 1 UL1 RR025780 from NCRR/NIH
Award Period: 2010-2012
- Global Co-PI and Principal Investigator
Impact of Aggressive versus Standard Drainage Regimen Using a Long Term
Indwelling Pleural Catheter on the Incidence of Auto-Pleurodesis in Patients with
Malignant Pleural Effusions (The ASAP Study). A multicenter, prospective,
randopmized trial.
Industry Grant
Award Period: 1/2013 – 12/2013
Award Amount: \$36,941
- Co-Investigator
Use of Siemens Biograph PET-CT to Characterize Lung Nodules
Industry Grant
Award Period: March 2010-2013
- Co-Investigator
The Identification and Validation of Breath Biomarkers of Early Lung Cancer
with a Colorimetric Sensor Array
Industry Grant
Proposed Award Period: 2011- 2013
- Co-Investigator
IBV trial: A multinational, randomized, double blind, sham control trial for the
treatment of heterogeneous emphysema
Industry Grant
Award Period: 5/2009 – 5/2011
Award Amount: \$224,663
- Principal Investigator
Randomized, Double Blind, Sham Control, Multicenter, International, Device
Study for

Moderate to Severe Asthma Patients. “Airway Thermoplasty”
Industry Grant
Award Period: 11/2005 – 11/2011

- Principal Investigator
EASE Trial: Airway Bypass Procedure for Emphysema: A multinational, double blind
sham controlled trial for the treatment of homogeneous emphysema
Industry Grant
Award Period: 2008 – 2011
Award Amount: \$280,017
- Principal Investigator
VRI-Vibration Resonance Imaging of Lungs: A Novel Technique for Real Time
Imaging
Industry Grant
Award Period: 2008-2010
Award Amount: \$5,642
- Sub-Investigator
Collection of Lung Tissue from Subjects with and without COPD During
Bronchoscopy: A Study to Validate Key Therapeutic Targets and Characterize
their Response to Corticosteroid
Multiple Asthma Phenotypes
Industry Grant
Award Period: 2004-2008
- Co-Investigator
The First Human Trial of Confocal Bronchoscopy
Award Period: 2007-2008
- Sub-Investigator
Study to Evaluate the Safety and Efficacy of Inhaled Insulin in Humans
Award Period: 2006-2008
- Sub-Investigator
An Enabling Study to Establish Methodologies for the Detection of Biomarkers
to Measure the Pharmacological and Anti-inflammatory effects of inhaled p38
MAP
Kinase Inhibitors in Healthy Subjects and COPD Patients.
Award Period: 2004 – 2008
- Co-Investigator
A Study to Identify a Transcriptomic Profile Indicative of Cyclic AMP Pathway
Activation in the Lung
Award Period: 2004-2007

- Sub-Investigator
A Multicenter Cohort Study to Evaluate Radiological, Physiological and Biochemical Biomarkers in Patients with COPD and Age and Gender Matched Controls
Award Period: 2004 – 2007
- Co-Investigator
Bronchoscopic Lung Volume Reduction
Award Period: 5/2004 – 6/2007
Principal Investigator
Evaluation of Airway Remodeling with Endobronchial Ultrasound (EBUS)
Award Period: 6/2004 – 6/2006
- Co-Investigator
A Phase III Trial, Comparing Pleurx Catheter and Chest Tube for the Management of Malignant Pleural Effusions
Award Period: 1/2004 – 1/2006
- Research Fellow
Mechanisms of Programmed Cell Death in Eosinophils
Award Period: 1993-2003
Award Budget: \$97,034
Total Award Budget: \$970,340
- Research Fellow
An Open-Label, 12-week Study to Evaluate the Effects of a Corticosteroid Sparing Dose Salmeterol/Fluticasone Propionate Combination Product 50/100 mcg BID Vial the Diskus Inhaler on Airway Inflammation, Airway Remodeling, and Bronchial Hyper-responsiveness in Adults with Persistent Asthma
Award Period: 1999-2001
Award Budget: \$150,000
- Research Fellow
Recovery from Lung Injury
Award Period: 1996-2001
Award Budget: \$179,165
Total Award Budget: \$895,825

XII. Bibliography

Papers published in refereed journals

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- Chest. 2019 Oct;156(4):813. doi: 10.1016/j.chest.2019.06.034.
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Medical Clinics of North America Feb,2019
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Hospital-acquired Pneumonia
Medical Clinics of North America Feb,2019
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[Revolution in Respiratory Medicine.](#)
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Bronchoscopic Therapies for Peripheral Lung Malignancies.
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 22. Leonardo DONATO, Thi Mai Hong TRAN, Uzair GHORI, and **Ali I. MUSANI**.
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Clinics in Chest Medicine, March 2018

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Hammond K, Ghori UK, **Musani AI**
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1. Don't Listen to the person who has the answers, listen to the person who has the questions! (Albert Einstein). WABIP (World Association of Bronchology and Interventional Pulmonology) Newsletter. Sep 2021
2. Musani AI, Liquid Biopsy – What's going to happen to Bronchoscopy?. WABIP (World Association of Bronchology and Interventional Pulmonology) Newsletter. Jan 2020
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4. Musani AI, The Holy Grail of Navigation Bronchoscopy. WABIP (World Association of Bronchology and Interventional Pulmonology) Newsletter. Jan 2019

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Newsletter. Sep 2018
6. Musani AI. Biodegradable and Drug Eluting Stents
It’s like a tailored suit just for you. New York Style:
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Case Reports

1. Interesting Case of Mediastinal Adenopathy
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