

Curriculum Vitae

Ali I. Musani, MD. FCCP
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I. Personal Data

Present Positions/Rank:

Jan 2016-Present	Liaison, Global Health Program Department of Medicine Medical College of Wisconsin, WI. USA
Sep 2015-Present	Director, International Scholars Program Pulmonary and Critical Care Program Medical College of Wisconsin, WI. USA
July 1/2015- Present	Chief, Pulmonary and Critical Care Medicine Director, Interventional Pulmonology and Bronchoscopy Director, Interventional Pulmonology Fellowship Program Professor of Medicine Medical College of Wisconsin, Milwaukee USA

Citizenship: USA

II. Educational History

Undergraduate:

1980-1982	D-J Science College, Pakistan HSC (Higher School Certificate)
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Graduate:

1983-1989	Dow Medical College, Pakistan M.B., B.S.
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Internships/Residency:

1990	House Officer Internal Medicine and General Surgery Civil Hospital Karachi, Pakistan
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5/1992-10/1993	Research Assistant VA Medical Center
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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 Fellowship:
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:

State of Colorado, USA
Wisconsin, USA

Specialty Certification:

1997- 2007	Board Certified, American Board of Internal Medicine
2001- 2010	Board Certified, American Board of Specialty Medicine Pulmonary Medicine
2010 - 2020	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

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 1400 Jackson Street, J225 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

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:

2105-Present	Liaison, Global Medicine Program Medical College of Wisconsin Milwaukee, USA
2015- Present	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
2009-2013	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-present	Section Editor, Interventional Pulmonology <i>Lung Cancer Frontiers</i> 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:

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-Present	Member, Airways Disorders Network Committee American College of Chest Physicians
2012-2015	Chairman, Research Committee American Association of Bronchology and Interventional Pulmonology
2012-Present	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-Present	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-Present	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
20th 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
17th Annual World Congress for Bronchology and
Interventional Pulmonology
Cleveland, OH
- 6/2012 Co-Chair, Poster Session
Medical Pleuroscopy
17th 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
50th, 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
1st European Association of Bronchology and Interventional
Pulmonology Conference
Marseille, France
- 3/2011 Session Co-Chair, New Technologies
1st 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

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| 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
13 th World Association of Bronchology Congress
Barcelona, Spain |

VII. Patents

1. Airway Stent Anchoring Device
Patent # 8,512,414
2. Stick Shield

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

5/2016-5/2018	Invited Guest Editor Clinics in Chest Medicine Edition On Interventional Pulmonology Slated for Publication, Spring 2018
1/2016-1/2021	Invited 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- Present	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: <i>Clinics in Chest Medicine</i> 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-Present
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, Chief 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-Present
Member, Editorial Board
Lung Cancer Frontiers
National Jewish Health
Denver, CO, USA

2005-Present	Member, Editorial Board <i>Journal of Bronchology and Interventional Pulmonology</i> American Association of Bronchoscopy and Interventional Pulmonology
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B. Invited Reviewer

2011-Present	Reviewer <i>Institut National du Cancer (INCa)</i> France
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2010-Present	Reviewer <i>Cleveland Clinic Proceedings</i>
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2007-Present	Reviewer <i>Lung Cancer</i>
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2007-Present	Reviewer <i>Lung Cancer Frontiers</i>
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2007-Present	Reviewer <i>Respiratory Care</i>
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2006-Present	Reviewer <i>Respiration</i>
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2005-Present	Reviewer <i>Thorax</i>
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2005-Present	Reviewer <i>CHEST</i>
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2005-Present	Reviewer <i>American Journal of Respiratory and Critical Care Medicine</i>
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2004-Present	Reviewer <i>Respirology</i>
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2003-Present	Reviewer <i>Journal of Bronchology</i>
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IX. Invited Extramural Lectures, Presentations and Visiting Professorships

A. Regional

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
22nd 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

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

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

Pulmonology	1 ST Endobronchial Ultrasound Course 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
26th Annual Pennsylvania Nursing Convention
Philadelphia, PA
- 2/2003 Implantable Pleural Catheter for the Management
of Malignant Pleural Effusion
12th 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

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 15 th 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 1 st European Association of Bronchology and Interventional Pulmonology Conference Marseille, France
3/2011	Percutaneous Tracheostomy 1 st European Association of Bronchology and Interventional Pulmonology Conference Marseille, France
3/2011	Bronchoscopic Treatment of Malignant Airway Obstruction 1 st European Association of Bronchology and Interventional Pulmonology Conference Marseille, France

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| 3/2011 | Biological Lung Volume Reduction
1 st 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 1 st 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 Respiratory 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

Program?

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

- 10/2016 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 3 rd 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 3 rd Boot Camp, American Association of Bronchology
8/2014	Pleural Catheters Insertion Human Cadaver Training 3 rd Boot Camp, American Association of Bronchology
8/2014 Aspiration	Endobronchial Ultrasound Guided Transbronchial Needle Aspiration 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
1st 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
50th, 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
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	Visiting Faculty, Hands-On Teaching Endobronchial Ultrasound-Guided Transbronchial Needle Aspiration 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	Center	Visiting Faculty, Hands-On Teaching Interventional Techniques Shaukat Khanum Memorial Cancer Research and Clinical Lahore, Pakistan
10/2006	Course	Faculty Instructor Pleural Catheter Insertion American Association of Bronchology Post-Graduate 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	Asthma	Visiting Faculty Airway Thermoplasty: A New Management Option for 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	Visiting Faculty
Effusions	Emerging Paradigms in Management of Malignant Pleural
	St. Mariana University
	Kawasaki, Japan
10/2005	Faculty Instructor
	Medical Thoracoscopy
	13 th 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
	13 th 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

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 Sedation Training Course	Interventional Pulmonology Procedures Under Conscious National Jewish Health Nurses and Technicians 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

National Jewish Health and University of Colorado, Denver, CO

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 Krukltitis, 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 Sindhvani, 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
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

2013

Durdana Khan	Army Medical College, Islamabad, Pakistan
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Sonia Malik

Army Medical College, Islamabad, Pakistan

2014

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

2015

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, IL

2016

Global Scholars Program-MCW

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

Visiting Fellows from National Programs:

Brian Boer, MD.,PhD

University of Nebraska (5/1/14 to 5/30/14)

Nurian Mirza, MD

Brown University, Rhode Island

Oliver Romero, MD

University of California, Fresno

Oleg Kouskov, MD

University of Oregon, Portland

Alaa Al Gandhi, 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:

Principal Investigator

Bronchoscopic Photodynamic Therapy for Peripheral Lung Cancer Treatment
First Human Trial
Research Award: \$ 250,000
2016-2018

Current:

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-NIH

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, randomized 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

Previous:

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

1. Momen Wahidi , **Ali I. Musani** et al: Randomized Trial of Pleural Fluid Drainage Frequency in Patients with Malignant Pleural Effusions-The ASAP Trial. Accepted for publication in American Journal of Respiratory and Critical Care Medicine. 2016
2. John Mullon, **Ali I. Musani** et al: Interventional Pulmonology Fellowship Accreditation Standards: Executive Summary of the Multi-Society Interventional Pulmonology Fellowship Accreditation. Accepted for Publication in CHEST 2016
3. Mohamad S. Ali, William Trick, Jaskaran Sethi and **Ali I. Musani**: Radial Endobronchial Ultrasound for the Diagnosis of Peripheral Pulmonary Lesions: Systematic Review and Meta-Analysis. Accepted for publication in "Respirology" 2016.
4. Rachid Tazi-Mezalek, **Ali I. Musani**, Sophie Laroumagne, Philippe J. Astoul, Xavier B. D'Journo, Pascal A. Thomas, Hervé Dutau : Airway Stenting in the Medical and Surgical Management of Iatrogenic Tracheal Injuries: 10 Year Experience. Accepted for publication "Respirology" May 2016.
5. Noirez L, **Musani AI**, Laroumagne S, Astoul P, Dutau H. [Montgomery T-tube Migration: A Rare and Life-threatening Complication.](#) J Bronchology Interv Pulmonol. 2015 Oct;22(4)
6. Silvestri GA, Vachani A, Whitney D, Elashoff M, Porta Smith K, Ferguson JS, Parsons E, Mitra N, Brody J, Lenburg ME, Spira A; **AEGIS Study Team**. A Bronchial Genomic Classifier for the Diagnostic Evaluation of Lung Cancer. N Engl J Med. 2015 Jul 16;373(3):243-51
7. Dutau H, **Musani AI**, Laroumagne S, Darwiche K, Freitag L, Astoul P. Biodegradable Airway Stents - Bench to Bedside: A Comprehensive Review Respiration. 2015;90(6):512-21. Epub 2015 Nov 28.

8. Imran Iftikhar and **Ali I. Musani**: Narrow-band imaging bronchoscopy in the detection of pre-malignant airway lesions: A meta-analysis of diagnostic test accuracy. *Ther Adv Respir Dis* 2015, Vol. 9(5) 207–216
9. **Ali I. Musani** and Akrum Al-Zubaidi: Cryotherapy: A Powerful Tool for the Warriors of the Endoluminal War: Editorial. *J Bronchology Interv Pulmonol*. 2015 Apr;22(2):97-8
10. **Ali I. Musani** and Akrum Al-Zubaidi: Early Detection of Central Lung Cancer: Are We There Yet. Editorial. *Respir Res*. 2015 Apr 23;16:53.
11. **Ali I. Musani** and Herve Dutau: Management of Alveolar-Pleural Fistula: A Complex Medical and Surgical Problem. Editorial. *CHEST* 2015;147(3):590-592
12. Perch M, Riise GC, Hogarth K, **Musani AI**, Springmeyer SC, Gonzalez X, et al. Endoscopic treatment of native lung hyperinflation using endobronchial valves in single-lung transplant patients: a multinational experience. *The clinical respiratory journal*. 2015;9(1):104-10.
13. Iftikhar IH, McGuire FR, **Musani AI**. Efficacy of bronchoscopic lung volume reduction: a meta-analysis. *International journal of chronic obstructive pulmonary disease*. 2014;9:481-91.
14. Wood, Douglas E. MD; Nader, Daniel A. DO; Springmeyer, Steven C. MD; Elstad, Mark R. MD; et al; The IBV Valve Trial: A Multicenter, Randomized, Double-Blind Trial of Endobronchial Therapy for Severe Emphysema. *J Bronchology Interv Pulmonol*. 2014 Oct;21(4):288-97
15. Seaman JC, **Musani AI**. Tracheobronchomalacia and Hyperdynamic Airway Collapse. Invited review article: *Encyclopedia of Medical Immunology*. 2014, pp 654-661
16. Iftikhar IH, McGuire FR, **Musani AI**. Predictors of efficacy for endobronchial valves in bronchoscopic lung volume reduction: A meta-analysis. *Chronic respiratory disease*. 2014;11(4):237-45.
17. Hsia D., **Musani AI**. Pleural Effusions in the Critically Ill Patient. Invited review article. *Pakistan Journal of Chest Society*. May 2013.
18. Zheng Huang, , Yih-Chih Hsu, Li-Bo Li, Luo-Wei Wang, Xiao-Dong Song, Christine M. N. Yow, Xia Lei, **Ali I. Musani**, Rong-Cheng Luo and Brian J. Day. Photodynamic therapy of cancer - challenges of multidrug resistance. *Journal of Innovative Optical Health Sciences*. Vol. 8, No. 1 (2015)
19. Dutau H, **Musani AI**, Plojoux J, Laroumagne S, Astoul P. The use of self-expandable

- metallic stents in the airways in the adult population. Expert review of respiratory medicine. 2014;8(2):179-90.
20. Hsia D, Tanner N, Shamblin C, Mehta H, Silvestri G, **Musani AI**. The latest Generation in Flexible Bronchoscopes: a description and evaluation. J Bronchology Interv Pulmonol. 2014 Apr:
 21. Seaman JC, **Musani AI**. Tracheobronchomalacia and Hyperdynamic Airway Collapse. Invited review article. Encyclopedia of Medical Immunology: 2013
 22. **Musani AI**. Preface. Clin Chest Med. [Editorial]. 2013 Sep;34(3)
 23. **Musani AI**, Gasparini S. Advances and future directions in interventional pulmonology. Clin Chest Med. 2013 Sep;34(3):605-10.
 24. Hsia DW, Ghori UK, **Musani AI**. Percutaneous dilational tracheostomy. Clin Chest Med. 2013 Sep;34(3):515-26.
 25. Donato LL, Mai Hong Tran T, Ammouche C, **Musani AI**. Pediatric interventional bronchoscopy. Clin Chest Med. 2013 Sep;34(3):569-82.
 26. Puchalski J, **Musani AI**. Tracheobronchial stenosis: causes and advances in management. Clin Chest Med. 2013 Sep;34(3):557-67.
 27. Seaman JC, **Musani AI**. Endobronchial ablative therapies. Clin Chest Med. 2013 Sep;34(3):417-25.
 28. Thomas JM, **Musani AI**. Malignant pleural effusions: a review. Clin Chest Med. 2013 Sep;34(3):459-71.
 29. Lee HJ, Feller-Kopman D, Shepherd RW, Almeida FA, Bechara R, Berkowitz D, **Musani, AI**, et al. Validation of an interventional pulmonary examination. Chest. [Validation Studies]. 2013 Jun;143(6):1667-70.
 30. Hsia D. and **Musani AI**. Management options for the complicated pleural space. Curr Respir Care Rep. 2013 June; 1(2):109-117. (Also published online Feb 28, 2013)
 31. Choo EM, Seaman JC, **Musani AI**. Tracheobronchomalacia and hyperdynamic airway collapse. Immunol Allergy Clin North Am. 2013 Feb;33(1):23-34.
 32. Hsia D, **Musani, A**. Interventional pulmonology procedures for the diagnosis and therapeutic management of lung cancer. Minerva Pneumol. 2012 June;51(2):27-43.

33. Jensen K, Hsia D, Feller-Kopman D, Lamb C, Seijo L, Berkowitz D, **Musani AI**. Multi-center experience with electromagnetic navigation bronchoscopy for the diagnosis of pulmonary nodules. *J Bronchol Intervent Pulmonol*. 2012 July;19(3):195-199.
34. Hsia D, **Musani, AI**. Management of malignant pleural effusion. *Curr Respir Care Rep*. 2012 June;1(2):73-81.
35. Lee P, Colt H, **Musani AI**. Medical pleuroscopy. *Pakistan Journal of Chest Medicine*. 2012 January-March;18(1):82-88.
36. Seaman, JC, **Musani, AI**. Tracheobronchomalacia and hyperdynamic airway collapse. *Pakistan Journal of Chest Medicine*. 2012 January-March;18(1):65-70.
37. Seaman JC, Ansari JK, **Musani AI**. Endobronchial ablative therapies. *Pakistan Journal of Chest Medicine*. 2012 January-March;18(1):107-116.
38. Hsia, D, Khan, A, Musani, **AI**. Minimally invasive diagnosis and staging of lung cancer: endobronchial ultrasound guided transbronchial needle aspiration. *Pakistan Journal of Chest Medicine*. 2012 January-March;18(1):28-37.
39. Bedient TJ, **Musani AI**. Malignant pleural effusions. *Pakistan Journal of Chest Medicine*. 2012 January-March;18(1):13-22.
40. Musani AI, Jensen K, Mitchell JD, Weyant M, Garces K, Hsia D. Novel use of a percutaneous endoscopic gastrostomy tube fastener for securing silicone tracheal stents in patients with benign proximal airway obstruction. *J Bronchology Interv Pulmonol*. 2012 Apr;19(2):121-5.
41. Hsia DW, Jensen KW, Curran-Everett D, **Musani AI**. Diagnosis of lung nodules with peripheral/radial endobronchial ultrasound-guided transbronchial biopsy. *J Bronchology Interv Pulmonol*. 2012 Jan;19(1):5-11.
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43. Zemans RL, Stream AR, **Musani AI**, Dhaliwal G. A 46-year-old man with seizures, brain lesions, and pulmonary infiltrates. *Chest*. [Case Reports Research Support, N.I.H., Extramural]. 2012 Jan;141(1):265-9.
44. **Musani AI**. Editorial: Size doesn't matter! *J Bronchol Intervent Pulmonol*. 2011 Oct;18(4):299-300.

45. Hsia D, **Musani AI**. Interventional pulmonology. Med Clin North Am. 2011 Nov;95(6):1095-1114.
46. Hsia D, Jensen K, Curran-Everett D, **Musani A.I.** Diagnosis of lung nodules with peripheral/radial endobronchial ultrasound guided transbronchial biopsy. J Bronchol Intervent Pulmonol. 2012 Jan;19(1):5-11.
47. **Musani AI**. Preface. Med Clin North Am. 2011 Nov;95(6):xiii.
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49. Jensen KW, Figenser JH, **Musani, AI**. Tools of the Trade: A novel bronchoscope with a built-in miniature video screen, camera and light source. J Bronchol Intervent Pulmonol. 2010 April;17(2):276-279.
50. Castro M, **Musani AI**, Mayse ML, Shargill NS. Bronchial thermoplasty: a novel technique in the treatment of severe asthma. Ther Adv Respir Dis. 2010 Apr;4(2):101-116.
51. **Musani AI**, Sims M, Sareli C, Russell W, McLaren WJ, Delaney PM, Litzky LA, Panettieri Jr, RA. A pilot study of the feasibility of confocal endomicroscopy for examination of the human airway. J Bronchol Intervent Pulmonol. 2010 April;17(2):126-130.
52. Sterman DH, Mehta AC, Wood DE, **Musani AI**, Mathur PN, McKenna RJ, Jr., Ost DE, et al. A multicenter pilot study of a bronchial valve for the treatment of severe emphysema. Respiration. 2010;79(3):222-233.
53. Lee HJ, Haas AR, **Musani AI**, Puchalski JT. The role of endobronchial ultrasound in the diagnosis and staging of gastrointestinal malignancies. Techniques in Gastrointestinal Endoscopy. 2009;11(3):140-145.
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1. Muhammad S. Ali, William Trick, Benjamin I. Mba, **Ali I. Musani**
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2. Virgil Secasanu MD, Rehmat Awan MBBS, Akrum Al-Zubaidi DO, Steve Groshong MD PhD, James Ellis MD, & **Ali Musani MD:** A rare case of endobronchial fibrous tumor resected safely with flexible bronchoscopy and electrocautery snare.

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3. Perch M, Hogarth DK, Springmeyer SC, Riise GC, **Musani AI**, Gonzalez X, Iversen, M. Endoscopic Treatment Of Native Lung Hyperinflation With One-Way Valve in Single Lung Transplantation Patient: A Multinational Experience. Poster presentation at ISHLT, 2012.
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