

Curriculum Vitae

Rania Farhat, M.D., F.C.C.P

Personal Information

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Education

Postgraduate training:

Chief Fellow in Pulmonary /Critical Care Medicine Saint Louis University School of Medicine	07/2020- 06/2021
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Fellow in Pulmonary /Critical Care Medicine Saint Louis University School of Medicine	07/2018- 06/2021
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Resident in Internal Medicine Saint Louis University School of Medicine	07/2015- 06/2018
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Preliminary Intern in Internal Medicine American University of Beirut Medical Center, Lebanon	06/2014- 06/2015
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Postdoctoral Research Fellow Naef K. Basile Cancer Institute American University of Beirut Medical Center, Lebanon	06/2013- 06/2014
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Master of Health Administration Saint Louis University	08/2023- current
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Doctor of Medicine American University of Beirut School of Medicine, Lebanon	08/2009- 06/2013
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Bachelor of Science in Biology American University of Beirut Faculty of Arts and Sciences, Lebanon	09/2006- 06/2009
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Work Experience

Assistant Professor of Medicine Division of Pulmonary and Critical Care Medicine Department of Internal Medicine SSM Saint Louis University Hospital	07/2021- current
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Medical Director of SSM/SLUCare Post ICU clinic	08/2024- current
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Medical Director of SSM/SLUCare PE Response Team	11/2024- current
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Committee Membership and Administrative Roles:

Member of Code Blue Committee SSM Saint Louis University Hospital	07/2022- current
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Student Progress Committee Saint Louis University School of Medicine	11/2023- current
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Certification

American Board of Internal Medicine (Internal Medicine). 2018- present
American Board of Internal Medicine (Pulmonary Disease). 2021- present
American Board of Internal Medicine (Critical Care Medicine). 2022- present
Advanced Cardiac Life Support (ACLS). 2014- present
Basic Life Support (BLS). 2014- present
Emergency Neurological Life Support (ENLS). 2018- present

Clinical Teaching

Internal medicine residency pulmonary lecture series. 2023- present
Core Faculty of pulmonary critical care fellowship. 2022- present
Course Director of biweekly Multidisciplinary Chest conference. July 2021- present
Pulmonary critical care fellowship core curriculum series. 2021- present
Pulmonary inpatient consult training. 2021- present
Medical intensive care unit (MICU) training. 2021- present
Continuity ambulatory clinic training. 2021- present

Research Experience

A Phase 3, Randomized, Double-blind, Controlled Study Evaluating the Efficacy and Safety of VX-121 Combination Therapy in Subjects with Cystic Fibrosis Who Are Heterozygous for F508del and a Minimal Function Mutation (F/MF), Protocol VX20-121-102
PI: Chris Barrios, MD

A Phase 3, Open-label Study Evaluating the Long-term Safety and Efficacy of VX-121 Combination Therapy in Subjects with Cystic Fibrosis, Protocol VX20-121-104
PI: Chris Barrios, MD

A Phase 1 Open-Label, Multicenter Study to Assess the Safety and Efficacy of ANG003 in Patients with Exocrine Pancreatic Insufficiency Due to Cystic Fibrosis, Protocol ANG003-22-101
PI: Chris Barrios, MD

Standardizing Treatments for Pulmonary Exacerbations: A Platform for Evaluating Treatment Decisions to Improve Outcomes (STOP360), Protocol STOP360-IP-22
PI: Chris Barrios, MD

Improving test ordering behavior towards Legionella and Streptococcal antigen at Saint Louis University Hospital
PI: Rania Farhat, MD

Retrospective study of incidental findings of CT scans of the chest, 2017- present
PI: Rania Farhat, MD

Relevance of Rapid Geriatric Assessment for Elderly Patients with malignancy, 2016- 2017
PI: Yifan Tu, MD, PhD

Utility of Focused Ultrasound Workshops on Internal Medicine Residents, 2016- 2017
PI: Kyle Karches, MD

Pressure requirements changes overtime in patients with obstructive sleep apnea, 2016-2018
PI: Edward Charbek, MD

Touch Preparation Cytology Utility In Bronchoscopy, 2016-2017
PI: Edward Charbek, MD

The Choosing Wisely® Recommendations of the American Society of Hematology: Exploring the Awareness and Practices of Physicians at a Lebanese Tertiary Care Center, 2015- 2018
PI: Ali Taher, MD

ASCO survey: Use and efficiency of multidisciplinary tumor boards, 2014- 2016
PI: Nagi El Saghir, MD

Comparative Baseline Needs Assessment for Women's Breast Health Care in the Middle East and North Africa (MENA), 2014- 2015
PI: Nagi El Saghir, MD

Different Geographical and ethnic reproductive Behaviors and its relationship to breast cancer biology and outcome (GLOBAL study), 2014- 2015
PI: Nagi El Saghir, MD

Impact of Tumor Boards on Management of patients with cancer, 2013-2015
PI: Nagi El Saghir, MD

BRCA1 and *BRCA2* Mutations in Ethnic Lebanese Arab Women with Breast Cancer, 2013-2015
PI: Nagi El Saghir, MD

Human papillomavirus (HPV) affecting fertility in couples undergoing assisted reproductive technologies, 2011-2015
PI: Johnny Awwad, MD

Publications

Peters J, **Farhat R**, Lackland T, Homan TD. Improving the Accuracy of Ventilatory Inputs: A Quality Improvement Project. CHEST, Volume 168, Issue 4, A6926

Homan TD, Patel RC, Kumanan KN, **Farhat R**. A Guide to Electrolyte Repletion in the Intensive Care Unit: A Quality Improvement Project. Am J Respir Care Med 2024. 209:A1524

Go A, Tripathi R, Lu J, Narayana-Kumanan K, Buchanan P, Assioun L, **Farhat R**. The Application of Educational Interventions to Influence the Use of Urinary Antigens in the Diagnosis of Community Acquired Pneumonia. Am J Respir Care Med 2023. 207:A2090

Mccrary ML, Link SL, Lokender M, and **Farhat R**. Thrombocytopenia in the Intensive Care Unit. Am J Respir Care Med 2023. 207:A5235

Mccrary ML, Kim S, Lokender M, and **Farhat R**. Active Mycobacterium Tuberculosis Diagnosed by Surgical Resection with Post Surgical Recurrence. Am J Respir Care Med 2023, A2066-A2066

Gorthi R, Halani V, Subramaniyam R, **Farhat R**. Friend or Foe? Role of Embryonic Remnant in Adult Life. Am J Respir Care Med 2022. 205:A4470

Farhat R, Minoff J, Burke S, Patolia S. Options to Minimize the Use of Central Lines: Midodrine, Peripheral Venous Lines, and Midline Catheters. Am J Respir Crit Care Med. 2021 Dec 15;204(12):1473-1475.

Patolia S, **Farhat R**, Subramaniyam R. Bronchoscopy in intubated and non-intubated intensive care unit patients with respiratory failure. J Thorac Dis. 2021 Aug;13(8):5125-5134.

Farhat R, Barrios CR. A Case of Symptomatic Clostridium Difficile Infection in Cystic Fibrosis After Initiation of Elxacaftor-Tezacaftor-Ivacaftor. Am J Respir Crit Care Med 2021; 203:A2112

Eckerle P, Burke S, Sharayah AM, Subramaniam R, **Farhat R**, Naydenov S. A Fulminant Presentation of Pulmonary Lymphoma with Relapsing Remitting Pulmonary Nodules in a Patient with Long Standing Seropositive Rheumatoid Arthritis. Am J Respir Crit Care Med 2021; 203:A4916

Farhat R, Gandhiraj D, Hashim S, Osmon S. Sweet Lungs Are Not so Sweet. Am J Respir Crit Care Med. 2020 May

Zoglman J, **Farhat R**, Go A, Kamel G. Superior Vena Cava Syndrome, a Bad First Sign. Am J Respir Crit Care Med. 2020 May

Gandhiraj D, **Farhat R**, Barrios CR. Pulmonary Nodule in Granulomatosis Polyangiitis Can Still Be Cancer. Am J Respir Crit Care Med. 2020 May

Farhat R, Gandhiraj D, Nayak R. Incidental Findings on High Resolution CT Scans of the Chest. CHEST 156. 2019 Oct

Farhat R, Miller AC, Picker D. Polymicrobial Lung Abscess Complicating Autologous Hematopoietic Stem Cell Transplant. Am J Respir Crit Care Med. 2019 May

Farhat R, Ramirez A, Miller AC, Stoeckel D. Severe Tracheal Stenosis: When Invasive Interventions are Not an Option. Am J Respir Crit Care Med. 2019 May

Saliba AN, Moukhadder H, Beydoun H, Harb A, **Farhat R**, Ghaddara HA, Taher A. Assessment and Study of Knowledge and Practice Across Different Settings in Lebanon Based on the Recommendations of the American Society of Hematology Choosing Wisely Campaign. American Journal of hematology. 2018 Nov

Farhat R, Krvavac A, Patel P, Kamel G, Nayak R. Hilar Mass in the Setting of Influenza A: A Challenging Case. Chest 154. 2018 Oct

Reddy M, **Farhat R**, Krvavac A, Patolia S. Ectopic Thyroid Masquerading as an Anterior Mediastinal Mass: a Unique Case. Chest 154. 2018 Oct

Miller AC, **Farhat R**, Charbek E. Septic Cavernous Sinus Thrombosis Complicating Diabetic Ketoacidosis. Am J Respir Crit Care Med. 2018 May

Mehta HN, **Farhat R**, Ravulapati S, Tu Y. Relevance of Rapid Geriatric Assessment for Elderly Patients with malignancy. Journal of Clinical Oncology 35 (31_suppl). 2017 Nov

Cull S, **Farhat R**, Krishna A, Naydenov S. An Uncommon Presentation of Pulmonary Cannonball Metastasis. Chest 152. 2017 Oct

Charbek E, **Farhat R**, Dettenmeier P, Espiritu J. Changes in Body Mass Index and Automatic Continuous Positive Airway Pressure Requirements in Obstructive Sleep Apnea: A Retrospective Longitudinal Analysis. Am J Respir Crit Care Med 195. 2017 May

Charbek E, **Farhat R**, Goodwill V, Patolia S, Staros E, Nayak RP. The Diagnostic Yield of Touch Preparation Technique in the Bronchoscopy Suite: A Retrospective Study. Am J Respir Crit Care Med 195. 2017 May

Charara R, Kreidieh F, **Farhat RA**, Al-Feghali K, Khoury K, Haydar A, Nassar L, Berjawi G, Shamseddine A, El Saghir NS. Practice and Impact of Multidisciplinary Tumor Boards on Patient Management: A Prospective Study. Journal of Global Oncology. 2016 Aug

El Saghir NS, Charara R, Kreidieh F, Eaton V, Litvin K, **Farhat RA**, Khoury K, Breidy J, Tamim H, Eid T. Global practice and efficiency of multidisciplinary tumor boards: Results of an American Society of Clinical Oncology international survey. *Journal of Global Oncology*. 2015 Oct

El Saghir N, Uhrhammer N, Assi H, Khoury K, Bidet Y, Jaber S, Charara R, **Farhat RA**, Kreidieh F, Decusous S, Romero P, Salem Z, Shamseddine A, Tfaily A, Abbas J, Jamali F, Seoud M, Armstrong D, Bignon Y, Zgheib N. *BRCA1* and *BRCA2* Mutations in Ethnic Lebanese Arab Women with High Hereditary Risk Breast Cancer. *Oncologist*. 2015 Apr

El Saghir N, **Farhat RA**, Charara R, Khoury K. Enhancing Cancer Care in Areas of Limited Resources: Our Next Steps. *Future Oncol*. 2014 Oct

Book Chapters

Farhat R., Barrios C. (2022). Environmental Factors on Lung Health in Cystic Fibrosis and Non-cystic Fibrosis Bronchiectasis. In: Khatri, S.B., Pennington, E.J. (eds) *Lung Health and the Exposome*. Respiratory Medicine. Humana, Cham.

Poster Presentations

2023 American Thoracic Society Annual Meeting. A Guide to Electrolyte Repletion in the Intensive Care Unit: A Quality Improvement Project. Homan T, Patel R, **Farhat R** (accepted)

2021 American Thoracic Society Annual Meeting. A Case of Symptomatic Clostridium Difficile Infection in Cystic Fibrosis After Initiation of Elexacaftor-Tezacaftor-Ivacaftor. **Farhat R**, Barrios C.

2019 Annual CHEST Conference, New Orleans. Incidental Findings on High Resolution CT Scans of the Chest. **Farhat R**, Gandhiraj D, Nayak R.

2018 Annual CHEST Conference, San Antonio. Hilar Mass in the Setting of Influenza A: A Challenging Case. **Farhat R**, Krvavac A, Patel P, Kamel G, Nayak R.

2018 American Thoracic Society Annual Meeting, San Diego. Septic Cavernous Sinus Thrombosis Complicating Diabetic Ketoacidosis. Miller AC, **Farhat R**, Charbek E.

2017 American Thoracic Society Annual Meeting, Washington DC. Changes in Body Mass Index and Automatic Continuous Positive Airway Pressure Requirements in Obstructive Sleep Apnea: A Retrospective Longitudinal Analysis. Charbek E, **Farhat R**, Dettenmeier P, Espiritu J.

2017 American Thoracic Society Annual Meeting, Washington DC. The Diagnostic Yield of Touch Preparation Technique in the Bronchoscopy Suite: A Retrospective Study. Charbek E, **Farhat R**, Goodwill V, Patolia S, Staros E, Nayak RP.

2015 St. Gallen International Breast Cancer Conference Poster Competition, Vienna, Austria. BRCA mutations and haplotypes in high risk Lebanese Arab breast cancer patients. El Saghir NS, Zgheib NK, Assi H, Khoury K, Bidet Y, Charara RN, **Farhat RA**, Shamseddine A, Kreidieh F, Uhrhammer N.

2014 Lebanese Society for Medical Oncology National Forum Poster Competition. Multidisciplinary tumor boards and decision-making for management of cancer patients at the American University of Beirut Medical Center, Beirut, Lebanon. Charara R, **Farhat R**, Khoury K, El Feghali K, Eid T, Jamali F, Tfayli A, Najjar M, Shamseddin A, El Saghir N.

2014 European Society of Medical Oncology Congress Poster Competition, Madrid, Spain. ASCO Survey: Use and Efficiency of Multidisciplinary Tumor Boards. El Saghir NS, Charara R, Eaton V, Litvin K, **Farhat R**, Khoury K, Breidy J, Tamim H.

Conference Oral Presentations

2015 Pan Arab Cancer Congress and the 12th Lebanese Society of Medical Oncology National Forum, Beirut, Lebanon. Multidisciplinary tumor boards worldwide: Results of an ASCO International Survey. **Farhat R**, Charara R, Eaton V, Litvin K, Khoury K, Kreidieh F, Breidy J, Tamim H, El Saghir NS.

2014 San Antonio Breast Cancer Symposium, San Antonio, Texas. *BRCA1* and *BRCA2* Mutations in Ethnic Lebanese Arab Women with High Hereditary Risk Breast Cancer. El Saghir N, Uhrhammer N, Assi H, Khoury K, Bidet Y, Jaber S, Charara R, **Farhat R**, Kreidieh F, Decusous S, Romero P, Salem Z, Shamseddine A, Tfaily A, Abbas J, Jamali F, Seoud M, Armstrong D, Bignon Y, Zgheib N

Educational Presentations

Post Intensive Care Syndrome- It Is Not Only About the Lungs! Internal Medicine Grand Round, SSM Saint Louis University. July 2023

Airway Management 101. Pulmonary Critical Care Grand Rounds, Saint Louis University. February 2023

Procalcitonin: Between Evidence and Clinical Judgment. Pulmonary Critical Care Grand Rounds, Saint Louis University. February 2022

Management of Cirrhotic patients in ICU. Pulmonary Critical Care Grand Rounds, Saint Louis University. March 2021

Incidental Findings on High Resolution CT scans of the Chest. Internal Medicine Residents and Fellows Spotlight: Scholarship and Success. Internal Medicine Grand Rounds, Saint Louis University. Jan 2021

Assessing Fluid responsiveness in critically ill patients: Is there a perfect method? Pulmonary Critical Care Grand Rounds, Saint Louis University. April 2019

Post Intensive Care Syndrome. Internal Medicine Residency Senior Talk, Saint Louis University. Feb 2018

Professional Society memberships

American College of Physicians, 2015- 2018

American Thoracic Society, 2017-present

CHEST, 2018- present

Honorary Societies, Honors and Awards

Recipient of the Young Investigators Awards at Oral Presentation at the 15th Pan Arab Cancer Congress and the 12th Lebanese Society of Medical Oncology National Forum, 2015

Recipient of the SCORE- Issam Fares Grant for the best project proposal: Semen Human Papillomavirus (HPV) shedding in couples undergoing assisted reproductive technologies: Prevalence and clinical outcome, 2012

Community Service/Civic Activities

Member of the Volunteer Outreach Clinic (VOC)
Palestinian refugee camp of Shatila, Lebanon

2009-2010

Chemistry teacher in the reinforcement classes for Brevet classes Public schools, Beirut, Lebanon	2008-2009
Organizer of the campaign "Fill a Bag" Center for Civic Engagement and Community Service at American University of Beirut	2008-2009