

Mohammad Abu-Hishmeh, M.D, MBAC, FCCP

Department of Medicine
Division of Pulmonary, Critical Care, and Sleep Medicine
Baystate Medical Center
759 Chestnut Street
Springfield, MA 01199
Cell: 347-301-0088
Memaad@hotmail.com

Education

MBBS, Jordan University of Science and Technology, Irbid, Jordan 06/2012

Postdoctoral Training

Fellowship in Pulmonary and Critical Care Medicine, Westchester Medical Center - New York Medical College, Valhalla, NY 06/2017-06/2020

Residency in Internal Medicine, Lincoln Medical and Mental Health Center – Weill Medical College of Cornell University, Bronx, NY 06/2014-06/2017

Transitional Year in Internal Medicine, King Hussain Cancer Center, Amman, Jordan 07/2013-06/2014

Internship, Ministry of Health Hospitals – Princess Basma Teaching Hospital, Irbid, Jordan 07/2012-06/2013

Positions and Employment

Program Director, Critical Care Fellowship Program, Baystate Medical Center, Springfield, MA. 09/2025-Present

Director, Interstitial Lung Disease Program, Baystate Medical Center, Springfield, MA. 07/2024-Present

Assistant Professor of Medicine, UMass Chan Medical School – Baystate Medical Center, Springfield, MA 07/2021-Present

Attending Physician, Pulmonary and Critical Care Medicine, Baystate Medical Center, Springfield, MA 07/2020-Present

Attending Physician, Pulmonary Medicine, Baystate Franklin Medical Center, Greenfield, MA 07/2020-05/2024

Educational Activities

Educational Leadership, Administration and Service

Associate Program Director of Pulmonary and Critical Care Fellowship Program, Baystate Medical Center, Springfield, MA.	2022-Present
Simulation Champion, Director of Critical Care and Pulmonary Critical Care Medicine Fellowship Simulation Training, ACS-Accredited Level I Comprehensive Education Institute - Baystate Simulation Center, Baystate Medical Center, Springfield, MA	2021-Present
Chief Fellow, Pulmonary and Critical Care Fellowship Program, Westchester Medical Center, Valhalla, NY	2019-2020
Chief Medical Resident, Internal Medicine Residency Program, Lincoln Medical and Mental Health Center, Bronx, NY.	2016-2017

Teaching Activities in Programs and Courses

Pulmonary Cases, New York Medical College. Participated in teaching medical students at New York College during their pulmonary lecture series. Served as an instructor for a group of 30 students with case discussion that included topics of physiology / pathophysiology and clinical cases. Two 2-hour sessions per year.	2017-2020
Noon Conferences, Lincoln Medical and Mental Health Center and Westchester Medical Center. Throughout my residency and fellowship, I consistently presented noon conferences for fellows, residents and medical students. These included review articles, journal clubs, evidence-based medicine, and general topics in internal medicine, pulmonary and critical care medicine. 10 sessions per year.	2014-2020

Clinical Education

Pulmonary and Critical Care Attending, Baystate Medical Center, Springfield, MA, 9-12h daily for 15-20 weeks/year. Supervising 1 fellows, 5 residents and 1-2 medical students in the inpatient setting (pulmonary consult service), endoscopy suite and in the ICU.	2020-present
Program champion for simulation center, Baystate Medical Center, Springfield, MA. 2h/week. I assumed the responsibility to be the pulmonary and critical care simlab champion. As a division champion, I supervise the pulmonary and critical care fellows in wide range of clinical simulations to develop their decision-making ability, knowledge, and procedural skills.	2020-present
Clerkship Leader for Pulmonary Medicine Elective, UMass Chan Medical School – Baystate Medical Center, MA	2020-2025

Health Care Delivery

Certification and Licensure

American Board of Internal Medicine	2017-present
American Board of Internal Medicine – Pulmonary Diseases	2019-present
American Board of Internal Medicine – Critical Care	2021-present
Commonwealth of Massachusetts Medical License	2020-present
Advanced Cardiac Life Support (ACLS)	2014-present
Basic Life Support (BLS)	2014-present

Educational Commission for Foreign Medical Graduates (ECFMG) 2013-present

Clinical Discipline

Critical Care Medicine 2020-present

Pulmonary Medicine 2019-present

Internal Medicine 2017-present

Clinical Activities

Baystate Medical Practice, Springfield, MA, pulmonary outpatient clinic 2020-present

Baystate Franklin Medical Center, Greenfield, MA, pulmonary outpatient clinic 2020-2024

Baystate Medical Practice, Springfield, MA, Inpatient Pulmonary. 2020-present

Baystate Medical Center, Springfield, MA, Interpret pulmonary function tests. 2020-present

Baystate Medical Center, Springfield, MA, Intensive care unit. 2020-present

Clinical Innovations, Safety, and Quality Improvement Projects

1. Critical care sedation liberation committee, Pulmonary and Critical Care Division, Baystate Medical Center. 2020-current
2. Simulation center program coordinator for pulmonary and critical care fellows, Pulmonary and Critical Care Division, Baystate Medical Center. 2020-current
3. Standardization of Dosage and Titration of Commonly-used Drips in the Medical ICU, Department of Medicine at Lincoln Medical and Mental Health Center. 2017-2018
4. Improving the Quality and Attendance of Morning Report, Department of Medicine at Lincoln Medical and Mental Health Center. As a chief resident, I worked on quality improvement project to improve the morning report quality in our department by revising the structure, expectations and quality of cases presented. 2016-2017
5. Delays in Tracheostomy and PEG Tube Placements; Analysis of Causation and Proposal of Solutions, Department of Medicine at Lincoln Medical and Mental Health Center. Quality Improvement project to follow up patients who are waiting for tracheostomy and PEG tube placement and the reasons behind the delay of the procedures to decrease the prolonged hospital stay and improve patients' and families experience. 2016-2017
6. Compliance with Liver Cirrhosis Guidelines, Department of Medicine at Lincoln Medical and Mental Health Center. Quality Improvement project to improve the awareness of the liver cirrhosis guidelines (management of ascites, SBP, HE, etc.) among the internal medicine residents and attendings by reviewing random charts and measuring the compliance with the guidelines and hold quaternary lectures to educate the house-staff about our data and what needs to be improved. 2015-2017
7. Telemetry Unit Admission Criteria, Department of Medicine at Lincoln Medical and Mental Health Center. Quality Improvement project dedicated to improve the utilization of the telemetry unit by establishing certain indications for telemetry admission after revision of the guidelines. 2014-2017

Population Health and Public Policy

Activities

Team Leader in Obesity Campaign, Jordan University of Science and Technology	2010
Team Leader in Diabetes Campaign, Jordan University of Science and Technology	2009
Team Member in Anti-Tobacco Campaign, Jordan University of Science and Technology	2009

Scholarship

Peer-reviewed publications

1. Abdulelah M, Abbas R, Samuel S, **Abu-Hishmeh M**. When are pulmonologists consulted? Trends and outcomes of pulmonary consultations for unspecified hypoxia. *Proc (Bayl Univ Med Cent)*. 2024 Jul 25;37(5):763-768. doi: 10.1080/08998280.2024.2377010. PMID: 39165825; PMCID: PMC11332629.
2. Abdulelah M, **Abu Hishmeh M**. Infective Pleural Effusions-A Comprehensive Narrative Review Article. *Clin Pract*. 2024 May 16;14(3):870-881. doi: 10.3390/clinpract14030068. PMID: 38804400; PMCID: PMC11130797.
3. **Abu-Hishmeh M**, Shakil F, Epelbaum O. Was it Really a Leiomyoma?: Revisiting a Peripheral Bronchoscopic Diagnosis. *J Bronchology Interv Pulmonol*. 2021 Jul 1;28(3):e51-e53. doi: 10.1097/LBR.0000000000000737. PMID: 34151901.
4. **Abu-Hishmeh M**, Miranda L, Shakil F, Ahmed T, Epelbaum O. Hammering home the sickle: an instructive case of endobronchial anaplastic large cell lymphoma. *Monaldi Arch Chest Dis*. 2021 Apr 8;91(3). doi: 10.4081/monaldi.2021.1601. PMID: 33849250.
5. Sabang RL, **Abu-Hishmeh M**, Bodin R, Epelbaum O. Impact of Liver Transplantation on Carbon Monoxide Production as Measured by Arterial Carboxyhemoglobin Levels in Cirrhotic Patients with and without Hepatopulmonary Syndrome. *Ann Transplant*. 2021 Sep 14;26:e932009. doi: 10.12659/AOT.932009. PMID: 34518507; PMCID: PMC8449510.
6. A Review of the Public Health and Municipal Hospital Response to the Bronx County, New York *Legionnaires'* Disease Outbreak. Skelly M, **Abu-Hishmeh M**, Mogollon J, El Hussein I, Sitnitskaya Y, et al. *J Infect Dis Epidemiol* (2020) 6:125. doi.org/10.23937/2474-3658/1510125
7. Primary Pulmonary Leiomyoma: A First for Peripheral Diagnostic Bronchoscopy? **Abu-Hishmeh M**, Kobbari G, Shakil F, Epelbaum O. *J Bronchology Interv Pulmonol*. 2020 Oct;27(4):e54-e56. doi: 10.1097/LBR.0000000000000659.
8. Hemophilus parainfluenza endocarditis with multiple cerebral emboli in a pregnant woman with coronavirus. De Castro A, **Abu-Hishmeh M**, El Hussein I, Paul L. *IDCases*. 2019 Jul 10;18:e00593. doi: 10.1016/j.idcr.2019.e00593. eCollection 2019.
9. Hemophagocytic Lymphohistiocytosis Associated with Parvovirus B19 in a Patient with Acquired Immunodeficiency Syndrome. Macauley P, **Abu-Hishmeh M**, Dumancas C, Alexander-Rajan V, Piedra-Chavez F, Nada K, Habtes I, Popescu A, Mamorska-Dyga A. *J Investig Med High Impact Case Rep*. 2019 Jan-Dec;7:2324709619883698. doi: 10.1177/2324709619883698.
10. Unusual presentation of urban leptospirosis complicated by a septic shock. El Hasbani G, Farooqui SR, Kofahi A, Saeed Y, Tayeh O, **Abu-Hishmeh M**, Moran H, Troya-Maldonado M, Khanna R, Assaker JP, Assaker R. *IDCases*. 2019 Jun 13;17:e00574. doi: 10.1016/j.idcr.2019.e00574. eCollection 2019.
11. Placement of markers to assist minimally invasive resection of peripheral lung lesions. Velasquez R, Martin A, **Abu Hishmeh M**, DeLorenzo L, Dhillon SS, Harris K. *Ann Transl Med*. 2019 Aug;7(15):360. doi: 10.21037/atm.2019.03.50.
12. Massive Spontaneous Hemothorax as a Complication of Apixaban Treatment. **M. Abu Hishmeh**, P.

- Srivastava, Q. Lougheide, M. Srinivasan, S. Murthy. Case Reports in Pulmonology, vol. 2018, Article ID 8735036, 4 pages, 2018. <https://doi.org/10.1155/2018/8735036>.
13. Encephalitis treatment - a case report with long-term follow-up of EBV PCR in cerebrospinal fluid. Zarlisht F, Salehi M, **Abu-Hishmeh M**, Khan M. Int J Gen Med. 2017 Oct 26;10:371-373. doi: 10.2147/IJGM.S143335. eCollection 2017.
 14. Short-Term High-Dose Steroid Therapy in a Case of Rhabdomyolysis Refractory to Intravenous Fluids. Zarlisht F, Salehi M, Sattar A, **Abu-Hishmeh M**, Khan M. Am J Case Rep. 2017 Oct 17;18:1110-1113. doi: 10.12659/AJCR.905196.
 15. A Rare Case of Septic Shock Secondary to Emphysematous Hepatitis. Nada KM, El Hussein I, **Abu Hishmeh ME**, Shah NS, Ibragimova N, Basir R. Case Rep Crit Care. 2017;2017:3020845. doi: 10.1155/2017/3020845. Epub 2017 May 30.
 16. Systemic Lupus Erythematosus Presenting as Refractory Thrombotic Thrombocytopenic Purpura: A Diagnostic and Management Challenge. A Case Report and Concise Review of the Literature. **Abu-Hishmeh M**, Sattar A, Zarlisht F, Ramadan M, Abdel-Rahman A, Hinson S, Hwang C. Am J Case Rep. 2016 Oct 25;17:782-787. doi: 10.12659/ajcr.898955.
 17. Rare Case of Lupus Nephritis with Negative Antinuclear Antibodies, Double-Stranded DNA Antibodies and Positive Anti-Ro/SSA Antibodies. **Abu Hishmeh, Mohammad**, Sattar, Alamgir, Zarlisht, Z., Ramadan, Mohamed, Abdel-Rahman, Aisha, Hinson, Shante, Shabarek, Nehad. Case Report World J Nephrol Urol. 2016;5(2):48-4

Invited Presentations

Navigating the Complexities of Interstitial Lung Diseases. Medicine Department Grand Rounds, Baystate Medical Center, Springfield, MA	2025
Primary Pulmonary Leiomyoma...Rare Cause of Lung Nodule. Oral speaker at Fellows Forum, New York State Thoracic Society Meeting, New York, NY	2019
A Review of the Literature to Improve the quality of Morning Report, Quality Improvement Projects Day at Lincoln Medical and Mental Health Center, Bronx, NY	2017
Appropriate Utilization of Inpatient Telemetry Unit; Revised Guidelines and Indications for Admissions, Quality Improvement Projects Day at Lincoln Medical and Mental Health Center, Bronx, NY	2016
Tracheostomy and PEG Placement Delays in Lincoln Medical Center; Causes and Solutions, Quality Improvement Projects Day at Lincoln Medical and Mental Health Center, Bronx, NY	2016

Other Presentations, Posters & Abstracts

National

Combined Metformin-Associated Lactic Acidosis and Starvation Ketoacidosis with High Osmolal Gap, American Thoracic Society International Conference, Dallas, TX	2019
Hemophilus Parainfluenza Endocarditis with Multiple Cerebral Emboli and Infarcts in a Young Pregnant Woman with Coronavirus URI , American Thoracic Society International Conference, Dallas, TX	2019
Tracheobronchopathia Osteochondroplastica Causing Airway Obstruction, American Thoracic Society International Conference, Dallas, TX	2019
Peripheral Primary Pulmonary Leiomyoma, American Thoracic Society International Conference, Dallas, TX	2019

- Spontaneous Hemothorax Secondary to Apixaban, First Reported Case, CHEST Annual Meeting, San Antonio, TX 2018
- Perplexing Neurological Signs...Or Are They? AMA Annual Conference, Atlanta, GA 2015
- Don't let it be a Pain in the Neck! Pain Management Education for Residents – Database Analysis, AAMC Integrating Quality Meeting, Rosemont, IL 2015

Regional

- Hemophagocytic Lymphohistiocytosis Secondary to Parvovirus B19 Infection in a Patient with Acquired Immunodeficiency Syndrome, New York State Thoracic Society Meeting, New York, NY 2019
- Hemophilus Parainfluenzae Endocarditis with Multiple Cerebral Emboli and Infarcts in a Young Pregnant Woman with Coronavirus URI, New York State Thoracic Society Meeting, Valhalla, NY 2018

Local

- Listeria Monocytogenes Meningitis in an Immunocompetent Young Female; Case Report and Literature Review, Annual Residents Research Day, Lincoln Medical and Mental Health Center, Bronx, NY 2018
- Malignant Pericardial Effusion as a Presentation of Recurrent Breast Cancer, Annual Residents Research Day, Lincoln Medical and Mental Health Center, Bronx, NY 2016
- Clinical Correlation and Molecular Analysis Suggests that the Mutation MLH1 c.875T>C is Pathogenic and Causes Lynch Syndrome, Annual Residents Research Day, Lincoln Medical and Mental Health Center, Bronx, NY 2015
- Refractory Rhabdomyolysis Responding to High Dose Steroid Therapy, Annual Residents Research Day, Lincoln Medical and Mental Health Center, Bronx, NY 2015

Academic Service

Professional Memberships and Activities

- American Thoracic Society (ATS), Member 2017-present
- American College of Chest Physicians (ACCP), Member 2017-present
- Fellow of American College of Chest Physicians (FCCP) 2025-present
- American Medical Association (AMA), Member 2014-present
- American College of Physicians (ACP), Member 2014-present

Editorial Responsibilities

- Respiratory Medicine Case Reports, Reviewer 2025-present
- American Journal of Case Reports, Reviewer 2017-present
- Medicine Science Monitor Journal, Reviewer 2017-present
- Annals of Medical and Clinical Cases, Editor 2026-present

Medicine Journal, Reviewer

2017-present

Media Appearances

6/2023: Western Mass News: Some smoke from Canadian wildfires still lingering over the region

6/2023: WWLP-22 News: How poor air quality can cause lung disease

6/2023: Western Mass News: Wildfire smoke leading to health concerns for vulnerable, elderly populations

6/2023: Western Mass News: Getting Answers: air quality health risks from Canadian wildfires

Hobbies:

Table tennis, chess, video games, soccer, Taekwondo.