

## CURRICULUM VITAE

### Shaher M. Samrah, MD, FCCP

Professor of Pulmonary and Critical Care Medicine  
Department of Internal Medicine, Faculty of Medicine  
Jordan University of Science and Technology  
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### Personal History

Current Position Rank:

**Full Professor**

Department of Internal Medicine  
Faculty of Medicine  
Jordan University of Science and Technology  
Irbid, Jordan

**Consultant: Pulmonary and Critical Care  
Medicine**

Department of Internal Medicine  
King Abdullah University Hospital  
Irbid, Jordan

## Educational History

### Medical School:

6/1995	Faculty of Medicine Jordan University of Science and Technology Irbid, Jordan
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### Residency and Fellowship:

10/1995 - 7/1996	Rotating Internship: Jordan University Hospital Amman, Jordan
8/1996 - 4/1997	Research Assistant University of Illinois at Chicago Chicago, IL., USA
7/1997 - 7/2000	Internal Medicine Residency Mercy Hospital and Medical Center University of Illinois at Chicago Chicago, IL., USA
7/2000 - 7/2004	Fellowship, Pulmonary Medicine Fellowship, Critical Care Medicine Translational Research Fellowship University of Iowa Hospitals and Clinics Iowa City, IA., USA

### Boards Certifications

2001	American Board, Internal Medicine
2003	American Board, Pulmonary Medicine (Active)
2004	American Board, Critical Care Medicine (Active)
2007	Jordanian Board, Pulmonary Medicine (Permanent)
2019	Jordanian Board, Internal Medicine (Permanent)
2022	Jordanian Board, Critical Care Medicine (Permanent)

## Academic Appointments

7/2004 – 9/2006	<b>Clinical Assistant Professor of Medicine</b> Faculty of Medicine University of North Dakota Grand Forks, ND., USA
10/2006 – 9/2007	<b>Full time lecturer</b> Department of Internal Medicine Faculty of Medicine University of Science and Technology Irbid, Jordan
9/2007 – 9/2017	<b>Assistant Professor of Medicine</b> Department of Internal Medicine Faculty of Medicine University of Science and Technology Irbid, Jordan
9/2017 – 12/2022	<b>Associate Professor of Medicine</b> Department of Internal Medicine Faculty of Medicine Jordan University of Science and Technology Irbid, Jordan
12-2022 – <b>Current</b>	<b>Professor of Medicine</b> Department of Internal Medicine Faculty of Medicine Jordan University of Science and Technology Irbid, Jordan

## Work Experience

7/2004 – 9/2006	<b>Pulmonary and Critical Care consultant</b> MedCenter One Health Systems Bismarck, ND., USA
10/2006 – 9/2015 & 9/2017 – 2/2021 & 2/2021 – <b>Current</b>	<b>Pulmonary and Critical Care consultant</b> King Abdullah University Hospital Irbid, Jordan

9/2015 – 9/2016

**Pulmonary and Critical Care consultant**  
Aurora Bay Care Medical Center  
Green Bay, WI., USA

9/2016 – 9/2017  
& 2/2021 – 2/2022

**Pulmonary and Critical care consultant**  
Aspirus Wausau Hospital  
Wausau, WI., USA

## Administrative Appointments

9/2018 – 9/2020

**Chairman: Department of Internal Medicine**  
Faculty of Medicine  
Jordan University of Science and Technology  
Irbid, Jordan

9/2008 – 9/2015  
& 9/2017 – 2/2021  
& 9/2023 – **Current**

**Head of Pulmonary Medicine Division**  
**Director; Pulmonary, Critical Care Medicine**  
**and Medical ICU**  
Jordan University of Science and Technology  
King Abdullah University Hospital  
Irbid, Jordan

## Academic Services

10/2006 – 9/2008

**Coordinator, Internal Medicine Course for**  
**Dental students**  
Faculty of Medicine  
Jordan University of Science and technology  
Irbid, Jordan

9/2008 – 9/2010

**Coordinator, Internal Medicine Course for 4<sup>th</sup>**  
**year Medical Students**  
Faculty of Medicine  
Jordan University of Science and technology  
Irbid, Jordan

9/2010 – 9/2012  
& 9/2014 – 9/2015

**Coordinator, Internal Medicine Course for 6<sup>th</sup>**  
**year Medical Students**  
Faculty of Medicine  
Jordan University of Science and technology  
Irbid, Jordan

9/2011 – 9/2015  
& 9/2019 – 2/2021

**Director, Internal Medicine Residency Program**  
King Abdullah University Hospital  
Irbid, Jordan

## Professional/Academic Committees

8/2004 – 9/2006

**Chair; ICU Committee**  
MedCenter One Health Systems  
Bismarck, ND., USA

8/2004 – 9/2006

**Heart and lung Committee**  
MedCenter One Health Systems  
Bismarck, ND., USA

9/2004 – 9/2006

**IRB Committee**  
MedCenter One Health Systems  
Bismarck, ND., USA

10/2007 – 9/2009

**Co-Chair; Cardiopulmonary resuscitation (CPR) Committee**  
King Abdullah University Hospital  
Irbid, Jordan

10/2009 – 9/2015

**Chair; CPR Committee**  
King Abdullah University Hospital  
Irbid, Jordan

9/2008 – 9/2015  
& 9/2017 – 2/2021

**Chair; ICU Committee**  
King Abdullah University Hospital  
Irbid, Jordan

2008 – 2012  
& 2019 – 2021  
& 10/2023 – Current

**Jordan National Drug Formulary Committee**  
Ministry of Health  
Amman, Jordan

2008 – 2015  
& 2017 – 2021

**Jordan National Tuberculosis Committee**  
Ministry of Health  
Amman, Jordan

2009 – 2013

**Primary Medical Committee**  
Faculty of Medicine  
Jordan University of Science and Technology  
Irbid, Jordan

2014 – 2017	<b>Chair, Primary Medical Committee</b> Faculty of Medicine Jordan University of Science and Technology Irbid, Jordan
9/2009 – 2/2015	<b>Co-Chair; Emergency Medicine Committee</b> King Abdullah University Hospital Irbid, Jordan
2010 – 2012	<b>Committee director to establish the first regional AHA certified Life Support Training Center</b> King Abdullah University Hospital Irbid, Jordan
2012-2013	<b>Examination and Questions Bank Committee</b> Faculty of Medicine Jordan University of Science and Technology Irbid, Jordan
2015 – 2017 & 2019 – 2021	<b>Co-Chair; Infectious Disease Committee</b> King Abdullah University Hospital Irbid, Jordan
2017– 2018	<b>ICU Quality Improvement Committee</b> King Abdullah University Hospital Irbid, Jordan
2017 – 2020	<b>Morbidity and Mortality committee</b> King Abdullah University Hospital Irbid, Jordan
2017 & 2019	<b>Faculty of Medicine annual International Medical Conference organizing committee</b> Faculty of Medicine Jordan University of Science and Technology Irbid, Jordan
2018 – 2020	<b>Education Evaluation, Improvement and Accreditation Strategy committee</b> Faculty of Medicine Jordan University of Science and Technology Irbid, Jordan

2018 – 2020	<b>Fellowship Programs Evaluation, Acceptance Criteria and Credentialing committee</b> King Abdullah University Hospital Irbid, Jordan
2018 – 2021	<b>Jordanian Board of Internal Medicine</b> Jordanian Medical Council Ministry of Health Amman, Jordan
2018 – 2021	<b>Jordanian Board of Internal Medicine Exam Committee</b> Jordanian Medical Council Ministry of Health Amman, Jordan
2018 – 2021	<b>Jordanian Internal Medicine Residency Programs Evaluation Committee</b> Jordanian Medical Council Ministry of Health Amman, Jordan
2018 – 2020	<b>Medical Records and Templates evaluation committee</b> King Abdullah University Hospital Irbid, Jordan
2018 – 2020	<b>Higher Education Scholarship Evaluation committee</b> Jordan University of Science and Technology Irbid, Jordan
2020 – 2021	<b>Higher Education Evaluation committee</b> Jordan University of Science and Technology Irbid, Jordan
1/2020 – 2/2021	<b>COVID-19 Emergency Response Team</b> King Abdullah University Hospital Irbid, Jordan
9/2022 – Current	<b>Jordanian Board of Critical Care Medicine</b> Jordanian Medical Council Ministry of Health Amman, Jordan

## Review and Referee Activities

- Eastern Mediterranean Health Journal
- Epidemiology & Infection Journal
- Infection and Drug Resistance Journal

## Teaching and Examination Experience

- Director, Dental students Internal Medicine course
- Director, Medical students Internal Medicine course (6<sup>th</sup> year)
- Director, Medical students Internal Medicine course (4<sup>th</sup> year)
- Teaching 4<sup>th</sup> and 6<sup>th</sup> year medical students
- Exam committee: 4<sup>th</sup> and 6<sup>th</sup> year students
- Director, Internal Medicine Residency
- Teaching and supervising Internal Medicine residents
- Exam Committee: Internal Medicine residents, KAUH
- Exam Committee: Jordanian Board of Internal Medicine
- Teaching Pulmonary Medicine fellows
- External Examiner: 6<sup>th</sup> year medical students

## Professional Memberships

1. Fellow, American College of Chest Physician (FCCP)
2. American Thoracic Society (ATS)
3. Jordan Medical Association
4. Jordanian Thoracic Society

## Community Services Highlights

1. Participation in multiple Basic and Advanced Life Support (BLS/ACLS) awareness campaigns, KAUH/JUST. (2007-2018)
2. Participation in national anti-smoking campaigns, Faculty of Medicine, JUST (2016-2019)
3. Supervising many medical students' community services activity and awareness campaigns, JUST. (2007-2019)
4. Organizing an art show "Between Pain and Hope - **Hanadi Day**" in support of Scleroderma patients, artist Hanadi Abu-Arja, Internal Medicine department, Faculty of Medicine, JUST. (2/2019).
5. Moderator and Speaker, Faculty of Medicine annual International Medical Conferences, Faculty of Medicine, JUST.
6. Moderator and speaker, many local and international Pulmonary and Critical Care medicine/ICU conferences, and meetings.



## Awards and Certificates

1. Fellow, American College of Chest Physician (FCCP), (2004)
2. Star Physician award at Q&R clinic, MedCenter One Health Systems, Bismarck, ND. USA, (2005)
3. Certificate of Appreciation (3<sup>rd</sup> Nutricia Middle East & Southeast Asia medical nutrition Conference), (2013)
4. JUST Medical Students nomination, Department of Internal Medicine Teacher of the year (2018-2019)
5. Certificate of Appreciation (Gadara Initiative), Irbid, Jordan (2020)
6. "Appreciation/Thank you" letter, Dean, Faculty of Medicine, JUST, (2020)
7. "Appreciation/Thank you" award, Department of Internal Medicine, JUST, (2020)
8. "Appreciation/Thank you" award, Internal Medicine Residents, Department of Internal Medicine, JUST, (2019)
9. "Appreciation/Thank you" letter, fighting COVID-19 efforts, State of Wisconsin Senator, USA (2021)

## TV/News Papers interviews

1. Respiratory Diseases and use of systemic steroids, Jordan TV
2. Asthma awareness, when to seek medical attention, Jordan TV
3. Newspaper article regarding "Hospital Intensive Care Units: Towards a conscious and well-educated community" in "TLB-News" and "Jafra-News" newspapers.
4. COVID-19 awareness and ways to prevent infection spread, Jordan TV

## Bibliography

### Published Work

1. E A. Hoffman, J. M. Reinhardt, M. Sonka, B. A. Simon, J. Guo, O. Saba, D. Chon, **S.M. Samrah**, H. Shikata, J. Tschirren, K. Palagyi, K. C. Beck, and G. McLennan, "Characterization of the Interstitial Lung Diseases via Density-Based and Texture-Based Analysis of Computed Tomography Images of Lung Structure and Function". *Acad. Radiology* 2003; 10:1104–1118
2. I.M. Khatib, **S.M. Samrah**, F.M. Zghol, "Nutritional intervention in refugee camps on Jordan's eastern border: Assessment of status of vulnerable groups". *EMHJ*. 2010; 16: 187-193
3. M. Jamous, M. Barbarawi, **S. Samrah**, M. N. Khabaz, M. Al-Jarrah, S. Dauod. "Emergency decompressive craniectomy for trauma patients with Glasgow Coma Scale of 3 and bilateral fixed dilated pupils". *European Journal of Trauma and Emergency Surgery* 36(5):465-469
4. **Samrah SM**, Saadeh SS, Alawneh KM, "Resolution of intracardiac and pulmonary thrombi without anticoagulation in a patient with Behçet's disease: a case report." *Clin Exp Rheumatol*. 2013 May-Jun;31(3 Suppl 77):90-2. Epub 2013 Mar 4.
5. **Samrah S**, Khatib I, Omari M, Khassawneh B, Momany S, Daoud A, Malkawi M, Khader Y. "Vitamin D deficiency and level of asthma control in women from North of Jordan: a case-control study." *J Asthma*. 2014 May 20:1-7.
6. **S. Samrah**, Y. Bashatawi, W. Hayajneh, B. Almomani, S. Momany, Y. Khader. "Impact of colistin-initiation delay on mortality of ventilator-associated pneumonia caused by *A. baumannii*". *J Infect Dev Ctries*. 2016 Oct 31;10(10):1129-1134.
7. B. Almomani, A. McCullough, R. Gharaibeh, **S. Samrah**, F. Mahasneh. "Incidence and predictors of 14-day mortality in multidrug-resistant *Acinetobacter baumannii* in ventilator-associated pneumonia" *J Infect Dev Ctries*, 2015 Dec 30;9(12):1323-30.
8. B. Almomani, N. Al-Sawalha, **S. Samrah**, J. Gamble, M. Al Momani. "Asthma insights from Jordan: Cross –sectional observational study". *J Asthma*. 2016;53(4):349-55
9. B. Almomani, L. Al-Eitan, **S. Samrah**, M Al-Quasmi, A. McCullough. "Candidate gene analysis of asthma in a population of Arab descent: A case-control study in Jordan". *Per Med*. 2017 Jan;14(1):51-61.
10. Raffee LA, **Samrah SM**, Al Yousef HN, Abeeleh MA, Alawneh KZ. "Incidence, characteristics, and Survival Trend of Cardiopulmonary Resuscitation Following In-hospital compared to out-of-hospital Cardiac Arrest in Northern Jordan". *Indian J Crit Care Med*. 2017 Jul;21 (7):436-441.
11. Khassawneh BY, **Samrah SM**, Jarrah MI, Ibdah RK, Ibnian AM, Almistarehi AW, Zghayer AA, Abuqudairi SI, Khader YS. "Prevalence of undiagnosed COPD in male patients with coronary artery disease: a cross-sectional study in Jordan". *Int J Chron Obstruct Pulmon Dis*. 2018 Sep 13:2759-2766
12. Almomani BA, Al-Eitan LN, Al-Sawalha NA, **Samrah SM**, Al-Quasmi MN. "Association of genetic variants with level of asthma control in the Arab population". *J Asthma Allergy*. 2019 Jan 23; 12: 35-42.

13. Yusef D, Hayajneh W, Awad S, Momany S, Khassawneh B, **Samrah S**, Obeidat B, Raffee L, Al-Faouri I, Bani Issa A, Al Zamel H, Bataineh E, Qdaisat R. “*Large Outbreak of Coronavirus Disease Among Wedding Attendees, Jordan*”. *Emerg Infect Dis*. 2020 May 20;29(9)
14. **Samrah S**, Aleshawi A, Khassawneh B, Lahren K. “*Bronchoscopy in the Diagnosis of Pulmonary Blastomycosis*”. *Int J Infect Dis* 2020 May 1; 96:187-191
15. **Samrah S**, Sweidan A, Aleshawi A, Ayesh M “*Fusarium-Induced Cellulitis in an Immunocompetent Patient with Sick Cell Disease: A Case Report*”. *J Investig Med High Impact Case Rep*. 2020 Jun; volume 8: 1-6.
16. **Samrah S**, Sherida H, Rawashdeh S, Khassawneh B. “*Tricuspid Valve Calcification in Familial Pulmonary Alveolar Microlithiasis: A Case Report*”. *Ann Med Surg (Lond)*. 2020 Jul; 55: 256-259.
17. **Samrah SM**, Al-Mistarehi AW, Ibnian AM, Raffee LA, Momany SM, Al-Ali M, Hayajneh WA, Yusef D, Awad SM, Khassawneh BY. “*COVID-19 outbreak in Jordan: Epidemiological features, clinical characteristics, and laboratory findings*”. *Ann Med Surg*. 2020 Sep; 57: 103-108.
18. Oweis A, Alshelleh S, Momany S, **Samrah S**, Khassawneh B, Al Ali M. “*Incidence, Risk Factors, and Outcome of Acute Kidney Injury in the Intensive Care Unit: A Single-Center Study from Jordan*”. *Critical Care Research and Practice*. July 2020, Volume 2020 Article ID 8753764. <https://doi.org/10.1155/2020/8753764>
19. **Samrah S**, Al-Mistarehi A, Aleshawi A, Khasawneh A, Momany S, Momany B, Abu Za'nouneh F, Keelani T, AlShorman A, Khassawneh B. “*Depression and Coping Among Individuals After 10 Days of Mandatory in-Hospital Quarantine, Irbid, Jordan*”. *Psychol Res Behav Manag*. 2020 Oct 6; 13:823-830.
20. **Samrah S**, Al-Mistarehi A, Kewan T, Al-Khatib S, Ibnian A, Samrah R, Khassawneh B. “*Viral Clearance Course of COVID-19 outbreaks*”. *J Multidiscip Healthc*. 2021;14 555–565
21. Alkhatatbeh M, Almomani H, Abdul-Razzak K, **Samrah S**. “*Association of asthma with low serum vitamin D and its related musculoskeletal and psychological symptoms in adults: a case-control study*”. *npj Primary Care Respiratory Medicine*. *NPJ Prim Care Respir Med*. 2021; 31: 27
22. Hamouri S, **Samrah S**, Albawaih O, Saleh Z, Smadi M, Alhazymeh A, Syaj S. “*Pulmonary Barotrauma in COVID-19 Patients: Invasive versus Noninvasive Positive Pressure Ventilation*”. *Int J Gen Med*. 2021; 14: 2017–2032
23. Felzer J, Fogwe D, **Samrah S**, Michet Jr C, Specks, U, Baqir M, Kubbara, A. “*Association of COVID-19 antigenicity with the development of antineutrophilic cytoplasmic antibody vasculitis*”. *Respirology case reports* 2021;10: e0894. <https://doi.org/10.1002/rcr2.894>
24. Samrah S, Qarqaz F, Obeidat O, Bataineh Z, Ramadan A, Al-Zubaidi G, Alwani M, Abualnaaj D, Abu-Za'nouneh F, Al-Balas H, Almomani Y, Samrah R, Kubbara A, Khassawneh B. “*Subclinical high-resolution chest CT scan features in psoriasis*”. *Respiratory Medicine* 2023, Jun:212:107226. doi:10.1016/j.rmed.2023. 107226. Epub 2023 Mar 29.
25. Melhem A, Seif A, Omar O, Al-Bashir S, Samrah S. “*COVID-19 and severe pulmonary alveolar proteinosis (PAP): A case report*” *Heliyon*. 2023 Jul 7;9(7):e18099. doi: 10.1016/j.heliyon.2023.e18099. eCollection 2023 Jul.

26. Alshiyab DM, Al-Qarqaz FA, Alhaje E, Mayou JA, Jaradat S, Asaad A, Muhaidat JM, Khader Y, Alsheyab SM, Oweis AO, Khassawneh BY, Momany SM, **Samrah SM**, Al-Ali M. "Skin Manifestations Among Patients Admitted with COVID-19: A Cross-Sectional Study at a University-Based Tertiary Hospital in Jordan". Clin Cosmet Investig Dermatol. 2023 May 24;16:1331-1340. doi: 10.2147/CCID.S408958. eCollection 2023.

## Abstracts Presented at Meetings

1. "Understanding Early Emphysematous – Related changes in the lung". American Thoracic Society, May 2003 and Radiological Society of North America meeting, November 2003.
2. "Lung preparation Technique for Computed Tomography-Pathologic Correlation". American Thoracic Society May 2003.
3. "Bronchial Asthma correlates with vitamin D status of adult women in North Jordan". Poster presentation, ACCP meeting in Chicago, October 2013.
4. A. M. Ibnian, A. W. Al-Mistarehi, A. A. Zghayer, S. I. Abuqudairi, **S. M. Samrah**, M. I. Jarrah, R. K. Ibdah, B. Y. Khassawneh. Undiagnosed chronic obstructive pulmonary disease in patients undergoing cardiac catheterization. AJRCCM. 2018;197: A5061
5. Almomani BA, Al-Eitan LN, Al-Sawalha NA, **Samrah SM**, Al-Quasmi MN. "Association of genetic variants with level of asthma control in the Arab population". CHEST, 2019; 155(4): 12A
6. **Samrah S**, Sherida H, Rawashdeh S, Khassawneh B "Tricuspid Valve Calcification in Familial Pulmonary Alveolar Microlithiasis; A case report" CHEST, 2020; 157(6): A161
7. Felzer J, Fogwe D, **Samrah S**, Michet Jr C, Specks, U, Baqir M, Kubbara, A. "Association of COVID-19 antigenicity with the development of antineutrophilic cytoplasmic antibody vasculitis". International Vasculitis and ANCA conference, April 2022: P275
8. Al-Akhras A, Akhdar M, Syaj S, Abuassi R, Tashtoush S, **Samrah S**, "Renal Function After Everolimus and Reduced Calcineurin Inhibitor in Immune Suppression of Lung Transplant Patients: A Meta-Analysis of Randomized Controlled Trials". Am J Respir Crit Care Med 2023;207:A6034 (**ATS-2023**)
9. Samrah R, Syaj S, **Samrah S**, "Blastomycosis Induced Circumferential Tracheobronchial Thickening: A Case Report". Am J Respir Crit Care Med 2023;207:A3877 (**ATS-2023**)
10. Syaj S, Samrah S, Hamouri S, Kubbara A, Samrah R, Khasawneh B, "Radiographic Assessment of Lung Edema (RALE) Score in COVID-19 Associated Pneumothorax and Pneumomediastinum" Am J Respir Crit Care Med 2023;207:A2313 (**ATS-2023**).

### **Ongoing approved/funded Research Projects:**

1. RALE Scores in predicting Pneumothorax & Pneumomediastinum in ARDS caused by COVID-19.
2. European Society of Intensive Care Medicine COVID-19 project (UNITE-COVID-19).
3. Analysis of psychological disorders among Asthma and COPD patients.