

# Sara Abolghasemi

## Infectious Diseases Specialist

### Fellowship of Infectious Diseases in Immunocompromised Patients

#### Highlights of Qualifications

- Awarded the second rank in the National Board of Infectious Diseases by the Minister of Health and Medical Education
- Associate Professor of infectious disease specialist Beheshti University of Medical Sciences
- Member of the educational committee of post-graduate students of the medical school of SBMU
- Member of the infectious disease educational and clinical thinking room of Tehran medical council
- Member of the national committee of influenza and COVID-19 prevention and control program
- Fellowship in infectious disease in immune-compromised patients, Shahid Beheshti University of Medical Sciences
- Head of the teaching method committee in the Educational Development Office (EDO) of the School of Medicine, Shahid Beheshti University of Medical Sciences
- Author of more than 30 articles from Scopus and ISI Journals on infectious diseases and immunocompromised patients
- Reviewer of more than 40 papers and 30 research in ARCHCID, some other Journals, and NIMAD

#### Educational Background

2014: Fellowship in infectious disease in immune-compromised patients, Beheshti University of Medical Sciences

2011: Infectious Diseases Specialist- Ahvaz University of Medical Sciences

2004: General Practitioner – Babol University of Medical Sciences

#### Professional Experience and Employment History

- Associate Professor of infectious diseases specialist Beheshti University of medical sciences, Infectious disease ward, LabbafiNejad Hospital, Tehran, Iran, since 2016 - Present
- Head of the teaching method committee in the educational development office (EDO) of the School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran 2019-2020
- Infectious disease specialist, Bu-Ali-Sina Hospital, Ghazvin University of Medical Science 2012 - Present
- Family physician, Tankaman, Nazarabad, Iran 2006
- Head of rural health center Nazarabad Village, Iran 2005 - 2006
- Head of rural health center Noshahr County, Iran 2004- 2005

#### Teaching Activity

- Teaching Infectious diseases topics to students, Interns, internal medicine residents, and fellows, Shahid Beheshti University of medical science 2013 –present
- Mentor of infectious diseases Interns in LabbafiNejad Hospital Shahid Beheshti University of medical science, 2016
- Teaching Infectious diseases topics for students, Interns, and infectious diseases and internal medicine residents, Ghazvin University of medical science 2012
- Co-Author and Co-designer of chosen educational process in Shahid Motahari Educational Festival (short duration of burn infections) 2012

#### Award & Honors

Co-Author and Co-designer of chosen educational process in Shahid Motahari Educational Festival in 2012

Awarded the second rank in the National Board of Infectious Diseases by the Minister of Health and Medical Education in 2011

## Journal articles

1. Fatal invasive pulmonary aspergillosis in an immunocompetent patient with COVID-19 due to *Aspergillus terreus*: A case study. *Clinical Case Reports* ۲۰۲۱
2. Etiology and Clinical Features of Epididymo-orchitis: A Single-center Study in Tehran, Iran, *Infectious Disorders - Drug Targets* 2021
3. Levofloxacin Versus Ceftriaxone for the Treatment of Acute Pyelonephritis in Iranian Adults, *Infectious Disorders - Drug Targets* 2021
4. Assessment of Agents and Resistant Patterns of Nosocomial Urinary Tract Infection by Epsilon Meter Test (E-Test) Method in a Tertiary Hospital, *Journal of Isfahan Medical School* 2021
5. Impact of COVID-19 on 75 immunocompromised patients: Does immunosuppression alter the clinical course? *Infection, Epidemiology and Microbiology* 2121
6. Anti-tuberculosis Induced Stevens-Johnson Syndrome Due to Misdiagnosis of *Mycobacterium Abscessus* Urinary Tract Infection as Tuberculosis, *Iranian Journal of Kidney Disease* 2021
7. COVID-19 and kidney transplant recipients, *Transplant Infectious Disease* 2020
8. The association of conditioning regimen with cytomegalovirus reactivation after allogeneic hematopoietic stem cell transplantation, *Iranian Journal of Microbiology* 2020
9. Impact of an antimicrobial stewardship program in the antimicrobial-resistant and prevalence of *Clostridioides difficile* infection and amount of antimicrobial consumed in cancer patients, *BMC Research Notes* 2020
10. Isolation of *Candida africana* in oral candidiasis: First report among cancer patients in Iran, *Current Medical Mycology* 2020
11. Oral Candidiasis in Hematological Malignancy Patients: Identification and Antifungal Susceptibility Patterns of Isolates, *Jundishapur Journal of Microbiology* 2020
12. Evaluation of the Efficacy of Arbidol in Comparison with the Standard Treatment Regimen of Hospitalized Patients with Covid-19: A Randomized Clinical Trial, *Archives of Clinical Infectious Diseases* 2020
13. A Review on Hematologic Malignant Patients Infected with 2019 Novel Coronavirus, *Archives of Clinical Infectious Diseases* 2020
14. Disseminated fusariosis with ecthymagangrenosum-like lesions in a refractory acute myeloid leukemia patient, *Current Medical Mycology* 2020
15. A Survey of Genotype and Resistance Patterns of Ventilator-Associated Pneumonia Organisms in ICU Patients, *Tanaffos* 2019
16. Blood culture and antimicrobial susceptibility pattern of bacteria and fungi isolated from febrile neutropenic patients treated with chemotherapy at Taleghani Hospital, Tehran, *Iranian Journal of Microbiology* 2019
17. Complicated bilateral fungal emphysematous pyelonephritis in a 55-year-old diabetic female: A case report and review of literature, *Current Medical Mycology* 2018
18. Cutaneous Infection with *Mycobacterium haemophilum* in an Immunocompromised Patient, *Iranian Journal of Kidney Disease* 2018
19. Caspofungin as Salvage Therapy for *Pneumocystis Pneumonia* in a Heart Transplant Recipient, *Tanaffos* 2018
20. Clinical Manifestation and Diagnosis of Invasive Fungal Sinusitis in Patients with Hematological Malignancy, *Archives of Clinical Infectious Diseases* 2016
21. Pulmonary *Paecilomyces* in a Diabetic Patient, *Tanaffos* 2015
22. Descriptive Analysis of COVID-19 among Health Care Workers in a Tertiary Center in Iran, *Tanaffos* 2021
23. COVID-19 reinfection or reactivation in a renal transplant patient, *Clinical Case Reports* ۲۰۲۱
24. Comparison of the Efficacy of Sofosbuvir and Kaletra on the Outcome of COVID-19. Is Sofosbuvir A Potential Treatment for COVID-19? *Novelty in Biomedicine* 2021
25. An investigation into the Effects of Intravenous Vitamin C on Pulmonary CT Findings and Clinical Outcomes of Patients with COVID-19 Pneumonia A Randomized Clinical Trial, *Urology Journal* 2022
26. Evaluation of the Clinical, Laboratory, and Imaging Findings of Patients with COVID-19 and Their Associations with Clinical Outcomes in an Iranian Hospital: A Cross-Sectional Study? *Novelty in Biomedicine* 2021
27. Evaluation of COVID-19 Patients with Chronic Kidney Disease, *Journal of Microbiology and Infectious Diseases* 2021
28. Effects of Adding Convalescent Plasma Therapy for Treatment of COVID-19 Patients with Severe and Critical Symptoms: A Descriptive Study of 12 Cases, *Novelty in Biomedicine* 2021

29. Candiduria: Prevalence, Identification of Isolated Candida Species and Trends in Antifungal Susceptibility in Hospitalized Patients, Novelty in Biomedicine 2020
30. Daclatasvir/sofosbuvir versus ledipasvir/sofosbuvir in patients with HCV infection genotypes 1, 3, Novelty in Biomedicine 2020
31. Skin Necrosis After Ketorolac Intravascular Administration, Case Reports in Clinical Practice 2018
32. Seroprevalence of Hepatitis A in Hemodialysis Patient Candidate for Kidney Transplant Younger Than Forty Years, Novelty in Biomedicine 2017
33. Assessment of Risk Factors in Patients with Chronic Hepatitis B Referred to Dr. LabbafiNejad's Hospital Hepatitis Clinic 2012-2014, Novelty in Biomedicine 2017
34. Disseminated Nocardia farcinica infection in a Patient with Pneumoconiosis, Infection Epidemiology and Microbiology 2017,
35. Short-Course Education Program for Burn Infection Control, Educational Development of Jundishapur Journal 2017
36. Risk Factors of Oropharyngeal Candidiasis in COVID-19 Patients: A Case-control Study, Infection Epidemiology and Microbiology 2021
37. The Importance of Screening Strongyloides stercoralis Infection in Solid Organ Transplant Donors and Recipients, Archives of Clinical Infectious Diseases 2021
38. Brucellosis seroprevalence in the normal and high-risk individuals in Iran: A systematic review and meta-analysis, International Journal of medical investigation 2016
39. Outcome of Accidental Exposure Prone to Blood-Borne Viral Infections in an Educational Hospital, Novelty in Biomedicine 2016
40. Inflawell<sup>®</sup> improves neutrophil-to-lymphocyte ratio and shortens Hospitalization in patients with moderate COVID-19, in a randomized double-blind placebo-controlled clinical trial, Inflammopharmacology 2022
41. The Prevalence of Early Toxoplasmosis after Bone Marrow Transplantation Using PCR: A Study in Iranian Patients, Infectious Disorders - Drug Targets 2022
42. Comparing efficacy and safety of piperacillin/ tazobactam and amoxicillin/ clavulanic in the treatment of complicated urinary tract infections, Novelty in Biomedicine 2022
43. Anti-biofilm properties of eucalyptol in combination with antifungals against Candida albicans isolates in patients with hematological malignancy, Archives of Microbiology 2022

## Conference Papers

1. Seroprevalence of brucellosis in normal high-risk patients in Iran: A systematic review and meta-analysis, The second International & 6th National Iranian Congress of Brucellosis
2. Comparing different routes of trivalent influenza vaccination in patients on maintenance hemodialysis: a double-blind randomized controlled trial ECCMID 2018-S Madrid, Spain, DOI:10.13140/RG.2.2.27521.76646
3. A descriptive study on clinical course and mortality of coronavirus disease among hematopoietic stem cell transplantation recipients, ECCMID 2023 poster presentation

## Conference Presentations

- 24<sup>th</sup> Iran's international congress of Microbiology 2023, Panel of immunocompromised patients (coordinator).
- 9<sup>th</sup> Tehran hepatitis conference 2023, Panel: Hepatitis B, a practical approach, challenges of prevention to new treatment
- Management of critically ill infectious patient 2022, Panel of infections in SOT (coordinator).
- 8<sup>th</sup> Tehran hepatitis conference and 3<sup>rd</sup> Global Hepatitis Meeting 2022, Panel: The status of viral hepatitis in Iran
- 23<sup>rd</sup> Iran's international congress of Microbiology, 2022, Panel of immunocompromised patients (coordinator).
- New challenges in treatment of invasive fungal infections, invasive candidacies of ICU patients. Webinar, 2021
- New Approaches to antimicrobial-resistant gram-negative bacteria, Established and emerged mechanisms of antimicrobial resistance. Webinar 2021
- Update of Sepsis treatment and antibiotic resistance, One-day symposium of sepsis and antibiotic resistance, 2018
- Management of invasive fungal infections in immunocompromised patients (Panel) Invasive fungal infections Symposium, 2017
- Candidacies (Panel), 26th Congress of Infectious and tropical diseases of Iran, 2017
- Treatment of Hospital-acquired pneumonia in immune-compromised patients (Panel), New treatment of Hospital-acquired pneumonia, 2016
- Infections in stem cell transplant patients (Panel), 24th Congress of Infectious and tropical diseases of Iran, 2015

- Treatment of invasive fungal infections (Panel), Treatment of invasive fungal infections Symposium, Review of national guideline, 2015
- Sepsis in immunocompromised patients, One-day Sepsis symposium, 2014
- Adult vaccination (panel), Symposium of Adult vaccination in Iran, 2014
- Upper respiratory infections (panel), Symposium of Respiratory infections, 2014
- Fungal infections in immunocompromised patients (Panel), Fungal infections in immunocompromised patients Symposium, 2014
- Secretary of Acute respiratory infections (Mers-CoV) symposium, Fayazbakhsh Hospital, 2014
- Pulmonary infections after kidney transplantation, Infections in pediatric kidney transplantation Symposium, 2014
- Vaccination of cancer and transplant patients (Panel), Vaccination of patients with immunodeficiency diseases Symposium, 2013

## **Research Activities & Supervisor of Thesis**

- 1- Comparison of the effect of mupirocin intranasal ointment and povidone-iodine solution on the colonization of *Staphylococcus aureus* among patients as well as the medical staff in LabbafiNejad Hospital in 2022
- 2- Seroepidemiology evaluation of *Strongyloides stercoralis* in kidney transplant donor and recipients patients in LabbafiNejad Hospital in 2020-2021
- 3- The course of COVID-19 and 6-month follow-up in kidney transplant recipients
- 4- *Candida* Colonization, Molecular Characterization, and Susceptibility Pattern in Liver Transplant Candidates
- 5- Evaluation of *Candida* Colonization in Patients with Hematologic Malignancies Hospitalized in Hematology Hospital of Taleghani Hospital during 2021
- 6- Assessment of prevalence *Staphylococcus Aureus* Colonization, Antibiotic Sensitivity, and Bacterial Gene Sequence in Patients and Personnel in Hemodialysis ward, LabbafiNejad Hospital, 2020\_2021
- 7- Intelligent diagnosis of COVID-19 along with the early prediction of the patient's condition using clinical symptoms, CT, and X-ray images
- 8- Prevalence of HHV6 reactivation in bone marrow transplant recipients
- 9- The Prevalence of Oral Candidiasis of cancer patients, Determination of *Candida* species, and profile of drug sensitivity in Taleghani Hospital, 2019
- 10- Prevalence of Toxoplasmosis infection after bone marrow transplantation by using the molecular method (PCR), in Taleghani Hospital, 2018
- 11- Determination of antibiotic-resistant pattern of bacteria isolated from the blood of patients with fever and neutropenia in oncology wards admitted in Taleghani Hospital, 2018
- 12- Evaluation of etiology and risk factors associated with Epididymitis and Orchitis in patients referred to the Labafinezhad Hospital during, 2018
- 13- A survey of genotype and resistance patterns of ventilator-associated pneumonia organisms in ICU patients, LabbafiNejad Hospital, 2017
- 14- Comparison of the effectiveness of ceftriaxone and intravenous levofloxacin in the treatment of community-acquired pyelonephritis in LabbafiNejadHospital,2016-2017
- 15- Epidemiology of brucellosis infection in patients of Hospitals under observe of Beheshti University of medical sciences ( Imam Hossein, LabbafiNejad, Loghman Hakim )from 2011 to 2014, based on recommendations of Iranian guidelines
- 16- Evaluation of chronic hepatitis B infection risk factors in patients presented in LabbafiNejad Hospital from 2012 to 2014
- 17- Seroprevalence of hepatitis A in hemodialysis patients and patients with chronic liver disease, younger than forty years old
- 18- Comparing the immunogenicity of intradermal trivalent influenza vaccine with and without topical Imiquimod, in patients on maintenance hemodialysis: A double-blind randomized controlled trial