

Nasrin Moazzen, M.D.

Department of pediatrics
Mashhad University of Medical Sciences (MUMS)
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Education:

2009 M.D., Mashhad University of Medical Sciences
(Graduated in top 5% of class)

Certifications:

2017 Iran's Board of Allergy/ Clinical Immunology (**1st place**)

2013 Iran's Board of Pediatrics (in top 5% of participants) (**6th place**)

Honors and Awards:

2017	First place in National Board of Allergy and clinical Immunology
2013	National Board of Pediatrics (6 th place)
<u>2011</u>	Mashhad school of medicine, awarded for academic achievement, personal qualities and promise as a physician
<u>1999</u>	First place in Kharazmi youth festival

Post Graduate Education and Training:

2022-2023	Clinical Informatic Fellowship, Kerman University of Medical Sciences (KUMS), Kerman, Iran
2020-2021	Medical Education Fellowship, Virtual University of Medical Sciences (VUMS), Tehran, Iran
2018-2020	Research Fellowship, Mashhad University of Medical Sciences, Mashhad, Iran (118 hours)
2014-2017	Fellow, Allergy/Clinical Immunology, Mashhad University of Medical Sciences Mashhad, Iran
2010-2013	Residency, Pediatrics, Mashhad University of Medical Sciences

	Mashhad, Iran
2009 – 2010	Rotating Internship, Community General Hospital, Mashhad, Iran

Active Grants

2023—Present

Investigation of post-biotic mouthwash efficacy on oral mucositis after radiation therapy of oral cancer”

2023-Present

“Investigation of impact of COVID-19 on microbiological profile of blood cultures”

2023-Present

“Describing etiology of admission in primary immune deficiency patients”

2023-Present

“Investigation of psychological sequel of COVID-19”

2022-Present

“Investigation of COVID-19 respiratory outcome based on spirometric parameters in children with history of admission for SARS-Cov2”

2022-Present

“Pulmonary function in children with type 1 diabetes”

2022-Present

“Assessment of allergic disorders in pediatric population of type 1 diabetes mellitus”

2022-Present

“Antihistamines in Cancer Prevention: Systematic Review and Met analysis”

2022-Present

“Investigation of psychological problems in follow-up of children with history of COVID19 infection during COVID19 pandemic”

2021-present

“Probiotic supplement in type one diabetes mellitus”

2020-Present

“Probiotic Nasal Spray in Prevention of Respiratory Viral Infections”

2020- Present

“Air Pollutions effects in Dyspnea- Epidemiologic study in Emergency Room of Pediatric Hospital”

2019-Present

“Registry of Pediatric Asthma in Mashhad University of Medical Sciences”

2018- Present

“Demographic Characteristics of Patients Admitted with Drug Allergy”

Current Research Projects

Currently I examine effects of the probiotic and post biotics on human diseases. My colleague and I have been conducting the following studies. We have recently completed a trial during which we applied heated probiotic ointment that we had developed to learn if it would reduce atopic dermatitis severity and recurrence rate of its flare. As we explain in our upcoming paper the results were promising. (The paper is under review by the Dermatology Journal). We also tested the efficacy of our newly patented ointment in reducing post radiation dermatitis in patients who were receiving radiotherapy. All participants experienced quick relief of symptoms.

In another ongoing trial we are administering probiotics in type one diabetes, hoping to elongate the duration of the honeymoon period.

In addition to these studies, we are evaluating the efficacy of a newly formulated post biotic nasal spray in preventing respiratory tract infection particularly in patients with asthma. Recently we also designed cross sectional studies in pediatric patients with a history of hospital admission due to COVID-19. We have been conducting on-going follow up studies to evaluate respiratory and autoimmune complications of this still enigmatic infectious disease especially in children.

Completed Grants:

2021-2022 *"Developing new protocol of Oral Immunotherapy in refractory IgE mediated food allergy"*

2020-2022 *"COVID-19 in Primary Immune Deficiency Patients"*

2019- 2022 *"Local Probiotic Ointment in Atopic Dermatitis"*

2019-2022 *"Heated probiotic ointment in radiation dermatitis"*

2013-2015 *"Hyperglycemia Prevalence in Pediatric patients with Acute Leukemia"*

2015-2017 *"Subcutaneous immunotherapy and synbiotic Combination in Allergic Rhinitis"*

2018-2020 *"Anti strongyloides antibody in patients with immunosuppressive therapy"*

Publications:

Peer-reviewed journal articles:

Accepted:

- 1- Elham Bakhtiari, **Nasrin Moazzen**; Pulmonary function in children post -SARS-CoV-2 infection: a systematic review and meta-analysis. BMC pediatrics. 2024 January
- 2- Anahita Alizadeh Ghamsari,, Nafiseh Pourbadakhshan; , **Nasrin Moazzen** Diagnostic challenge in a 2-year-old boy poisoned with carbon monoxide A CASE REPORT. Clinical case report, 2023 November

Published in 2023:

- 1- **Moazzen N**, Hamidifar S, Ahanchian H. Relationship Between Nasal Cavity Microbial Colonization and Atopic Dermatitis Severity: A Systematic Review and Meta-analysis. Journal of Comprehensive Pediatrics. 2023 Aug 31;14(3).
- 2- Bassiri S, Bakhtiari E, Ghaffarian N, **Moazzen N**, Ravanshad Y, Azarfar A. Efficacy and Safety of Angiotensin Receptor Blockers in Pediatric Patients (Aged 6 to 18) with Hypertension: A Systematic Review. Iranian Journal of Kidney Diseases. 2023 May 1;17(3):117.
- 3- **Moazzen N**, Aelami M, Vahedi M, Chaichy Z. The challenges in diagnosis of multisystem inflammatory syndrome in children (MIS-C), comparison of MIS-C and drug eruption during COVID-19 Pandemic: A case report. The Microbe. 2023 Nov 11:100019.
- 4- **Moazzen N**, Talebi S, Afshari A. Nutritional Aspects in Immunocompromised Patients. International Journal of Pediatrics. 2023 Jul 24; 11(7).
- 5- Moghtaderi M, Nabavizadeh SH, **Moazzen N**, Samadzadeh Mamaghani M, Mostafavi S, Mostafavi A. A Comparison of Efficacy and Adverse Effects of Cetirizine and Desloratadine in 6-12-Year-Old Children with Allergic Rhinitis. International Journal of Pediatrics. 2023 Apr 1;11(4):17583-9.
- 6- Kouzegaran S, Ahanchian H, Emami SA, Ansari N, Yousefi J, **Moazzen N**, Pourbadakhshan N, Tafrishi R, Ansari A, Haghi NM. Herbal remedies used by asthmatic children in Iran. Reviews in Clinical Medicine. 2023 Mar 1;10(1).
- 7- Kianifar H, **Moazzen N**, Khalesi M, Pourbadakhshan N. E-learning in Akbar Hospital in Mashhad at the beginning of Covid-19 pandemic. Horizons of Medical Education Development. 2022 May 22;13(1):59-68.

Published in 2022:

- 8- Tavakol M, Delavari S, Salami F, Ansari S, Rasouli SE, Chavoshzadeh Z, Sherkat R, Ahanchian H, Aleyasin S, Esmaeilzadeh H, **Moazzen N**. Diversity of malignancies in patients with different types of inborn errors of immunity. *Allergy, Asthma & Clinical Immunology*. 2022 Dec 12;18(1):106.
- 9- Kianmehr S, Jahani M, **Moazzen N**, Ahanchian H, Khameneh B. The potential of Probiotics for treating skin Disorders: a concise review. *Current Pharmaceutical Biotechnology*. 2022 Dec 1;23(15):1851-63.
- 10- Bakhtiari E, **Moazzen N**, Amirabadi A, Ahanchian H. The clinical relationship between histamine-1 receptor antagonists and risk of cancer: A systematic review and meta-analysis. *Expert Review of Anticancer Therapy*. 2023 Jan 2;23(1):87-94.
- 11- Kianmehr S, Jahani M, **Moazzen N**, Ahanchian H, Khameneh B. The potential of probiotics for treating skin disorders: A concise review. *Curr Pharm Biotechnol*. 2022 Apr 11. doi: 10.2174/1389201023666220411090301. Epub ahead of print. PMID: 35410594
- 12- Ahanchian H, Ranjbar A, Reihani H, Yazdi AP, Jafari SA, Kiani MA, Tafrishi R, Haghi NM, **Moazzen N**, Khalshour A, Mirzaei F. Synbiotic for Prevention of SARS-Cov2 Infection in High-Risk Hospital Staffs: A Randomized Controlled Trial. *Open Journal of Nursing*. 2021 May 10;11(5):281-90.
- 13- Mazandarani F, Ahanchian H, **Moazzen N**. Oral Immunotherapy in Children: Ige-Dependent Food Allergy to Milk or Wheat. *International Journal of Pediatrics*. 2022 Aug 1;10(8):16505-14.
- 14- Kiani MA, Ghayoor Karimiani E, Kianifar H, Jafari SA, Behmadi M, **Moazzen N**, Ahanchian H. Presentation of DNA Methyltransferase 3 Beta Mutation with Immune Deficiency and Dilation of Aorta and Esophagus. *International Journal of Pediatrics*. 2022 May 1;10(5):15998-6004.

Published in 2021:

- 15- **Moazzen, N.**, Ahanchian, H., et al. COVID-19 in children with inborn errors of immunity: clinical scenarios. Accepted by "American Journal of Clinical and Experimental Immunology"
- 16- Jafari SA., **Moazzen, N.**. Prevalence of IgE mediated food hypersensitivity to cereals and beans based on skin prick test in children with celiac disease. Accepted by "Middle east journal of digestive diseases" for vol. 13, No. 4, October 2021

- 17- **Moazzen N**, Jabbari F, Norooziasl S, Ariaee N, Amirabadi A. Kimura Disease: Report of a Rare Case. *Middle East Journal of Cancer*. 2021 Mar 13.
- 18- **Moazzen, N.**, Ahanchian, H., Norouzi Asl, S., Kianifar, H. Toll-like Receptor 3 Deficiency in a Child with Recurrent Infections and Diabetes Mellitus. *Immunology and Genetics Journal*, doi:10.22034/igj.2021.266018.1060.
- 19- Ahanchian H, **Moazzen N**, Faroughi MS, Khalighi N, Khoshkhui M, Aelami MH, Haghi NS, Rezaei N. COVID-19 in a Child with Primary Specific Antibody Deficiency. *Clinical Case Reports*. 2021 Feb;9(2):755-8.
- 20- Esmaeilzadeh H, Askarisarvestani A, Hosseini N, Samimi S, Shafiei A, Mahdavian SA, Eslami N, Chavoshzadeh Z, Fallahi M, Khakbazanfard N, Shabestari MS, **Moazzen N**, et al. Adverse reactions in a large cohort of patients with inborn errors of immunity receiving intravenous immunoglobulin. *Clinical Immunology*. 2021 Sep 1; 230:108826.
- 21- Ahanchian H, **Moazzen N**, Joghatayi SH, Saeidinia A, Khoshkhui M, Aelami MH, Rezaei N, Haghi NS. Death due to COVID-19 in an Infant with Combined Immunodeficiencies. *Endocrine, metabolic & immune disorders drug targets*. 2020 oct 21
- 22- Amirabadi A, Alami A, Ahanchian H, Ariaee N, **Moazzen N**. Epidermal growth factor receptor inhibitor in advanced basal cell carcinoma. *Clinical Case Reports*. 2021 May;9(5).
- 23- **Moazzen N**, Ahanchian H, Sarabi M, Malek A, Abbasi Shaye Z. Bone and joint manifestations of primary immunodeficiency patients. *Tehran University Medical Journal TUMS Publications*. 2021 Apr 10;79(2):78-84.
- 24- Norooziasl S, Ghaemi N, Vakili R, Alamdaran SA, Abbasi Shaye Z, Eshraqui P, **Moazzen N**. Prevalence of testicular adrenal rest tumor and factors associated with its development in 6 months to 18 years-old patients with congenital adrenal hyperplasia. *International Journal of Pediatrics*. 2021 Dec 1;9(12):15022-8.
- 25- Kianifar H, **Moazzen N**, Khalesi M, Pourbadakhshan N. E-learning in Akbar Hospital in Mashhad at the beginning of Covid-19 pandemic. *Horizons of Medical Education Development*. 2021 Jun 28.

Published in 2020:

- 26- Delavari S, Abolhassani H, Abolnezhadian F, Babaha F, Iranparast S, Ahanchian H, **Moazzen N**, Nabavi M, Arshi S, Fallahpour M, Bemanian MH. Impact of SARS-CoV-2 pandemic on patients with primary immunodeficiency. *Journal of clinical immunology*. 2020 Dec 1:1-1.
- 27- Baradaran A, Malek A, **Moazzen N**, Shaye ZA. COVID-19 Associated

- Multisystem Inflammatory Syndrome: A Systematic Review and Meta-analysis. Iranian Journal of Allergy, Asthma and Immunology. 2020 Nov 7:1-9.
- 28- **Moazzen N**, Imani B, Aelami MH, Haghi NS, Kianifar HR, Khoushkhui M, Ahanchian H. How to Boost our Immune System Against Coronavirus Infection? Archives of Bone and Joint Surgery. 2020 Apr;8(Suppl 1):220.
- 29- **Moazzen N**, Ahanchian H, Jabbari Azad F, Mohammadi M, Farid R, Nikpoor AR, Salehi M, Khoshkhoui M. Subcutaneous Immunotherapy and Synbiotic Combination Shift T-Helper 1 and Cytotoxic T Cells in Allergic Rhinitis. International Journal of Pediatrics. 2020 Jan 1;8(1):10731-42.
- 30- Joudi M, Ghalibaf MH, Ghorbanzadeh A, Zabihiyan S, **Moazzen N**, Khoshkhui M. Rhinitis as the Presenting Symptom of Pineal Region Epidermoid Tumor: A Case Report. Iranian Journal of Allergy, Asthma and Immunology. 2020 Sep 2.
- 31- Khakpour M, **Moazzen N**, Khakshour A, Norouziasl S, Talebi S, Kianifar H. Growth Pattern Investigation in Cow's Milk Allergic Proctocolitis in Those Who are Under Elimination Diet. International Journal of Pediatrics. 2020 Nov 1;8(11):12455-60.

Published in 2019:

- 32- Dehnavi S, Azad FJ, Hoseini RF, **Moazzen N**, Tavakkol-Afshari J, Nikpoor AR, Salmani AA, Ahanchian H, Mohammadi M. A significant decrease in the gene expression of interleukin-17 following the administration of synbiotic in patients with allergic rhinitis who underwent immunotherapy: A placebo-controlled clinical trial. Journal of research in medical sciences: the official journal of Isfahan University of Medical Sciences. 2019;24.

Published in 2014 and before:

- 33- Ahanchian H, Jabbari AF, Gangel C, Behmanesh F, Jones CM, Purreza R, Ansari E, **Moazzen N**, Farid R. Evaluation of Clinical and Laboratory Data in Patients with Recurrent Infections and Suspected Immunodeficiency. (2014): 19-24.
- 34- Banihashem A, Ghasemi A, Ghaemi N, **Moazzen N**, Amirabadi A. Prevalence of transient hyperglycemia and diabetes mellitus in pediatric patients with acute leukemia. Iranian journal of pediatric hematology and oncology. 2014;4(1):5.
- 35- Homaei-Shandiz F, Jafarzadeh-Esfehani R, **Moazzen N**, Amirabadi A. Inflammatory myofibroblastic tumor of salpinx: a very rare case treated with a less aggressive method. Iranian journal of cancer prevention. 2014;7(4):244.
- 36- Homae Shandiz F, Salek R, Amirabadi A, **Moazzen N**, Fazl Ersi M. Assessment

of the Relationship between Absorbed Skin Dose and Chronic Dermal Side-Effects of Radiotherapy in Patients with Breast Cancer. The Iranian Journal of Obstetrics, Gynecology and Infertility. 2014;17(116):1-7.

- 37- Akhondian J, Ashrafzadeh F, Toosi MB, **Moazzen N**, Mohammadpoor T, Karami R. Joubert syndrome in three children in a family: a case series. Iranian journal of child neurology. 2013;7(1):39.
- 38- Shabestari MM, Jabbari F, Gohari B, **Moazzen N**, Azizi H, Moghiman T, Ibrahimzadeh S, Amirabadi A. Coronary artery angiographic changes in veterans poisoned by mustard gas. Cardiology. 2011;119(4):208-13.

Books/Book Chapters:

1. Exams in Anatomy, Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2004
2. Respiratory disease in children, Rahpoyan sharif, 2014
3. Drug allergy, andisheye rafie, Mashhad, Iran, 2017
4. Food allergy; prevention and treatment, andisheye rafie, Mashhad, Iran, 2020
5. Clinical reasoning, Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2022

Selective Invited Speeches and Poster Presentation:

Local:

- 1- **Moazzen, N** "News in food allergy and drug allergy seminar", Akbar hospital, Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2020 (scientific secretary)
- 2- **Moazzen, N** "Genetic and primary immune deficiency", Akbar hospital, Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2020
- 3- **Moazzen, N** "Clinical reasoning", EDC, Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2018
- 4- **Moazzen, N** "asthma attack" Pediatric emergencies seminar, Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2018
- 5- **Moazzen, N** "Recurrent anaphylaxis", Ghaem hospital, Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2019
- 6- **Moazzen, N** "Allergic emergencies", Ghaem hospital, Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2019

- 7- **Moazzen, N** "Cancer immunotherapy", Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2019
- 8- **Moazzen, N** "Anaphylaxis in sting bite", Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2019
- 9- **Moazzen, N** "Probiotic in immunocompromised patients", Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2019
- 10- **Moazzen, N** "Skin diseases in pediatric outpatients", Mashhad University of Medical Sciences (MU MS), Mashhad, Iran, 2019
- 11- **Moazzen, N** "Asthma maintenance treatment", Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2019
- 12- **Moazzen, N** "How to boost immunity against Influenza virus", Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2020
- 13- **Moazzen, N** "Role of probiotic in Allergy prevention", Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2017
- 14- **Moazzen, N** "Endotypes and phenotypes of chronic rhinosinusitis", Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2018

National:

1. **Moazzen, N** "Allergic Rhinitis" Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2022
2. **Moazzen, N** "Ig E Mediated food allergy diagnosis" Yasouj University of Medical Sciences, Yasouj, Iran, 2022
3. **Moazzen, N** "Anaphylaxis Treatment" Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2021
4. **Moazzen, N** "Device and medication in asthma management", Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2020
5. **Moazzen, N** "Eosinophilic gastrointestinal disorders", Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2018
6. **Moazzen, N** "Drug allergy", 1th symposium on food and Drug Allergy, Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2016

International:

- 1- **Moazzen, N** "Infections in primary immune deficiency patients", 7th International Conference on Prevention & Infection Control (ICPIC) 2023, Geneva, Switzerland

- 2- **Moazzen, N** "Investigation of probiotic nasal spray for the prevention of common respiratory infections", 7th International Conference on Prevention & Infection Control (ICPIC) 2023, Geneva, Switzerland
- 3- **Moazzen, N** "Impact of SARS-COV-2 outbreak on blood cultures of pediatric patients", 7th International Conference on Prevention & Infection Control (ICPIC) 2023, Geneva, Switzerland
- 4- **Moazzen, N** "Anaphylaxis diagnosis and management", 3th international congress on prevention strategies for healthcare associated infections, Iran, 2020
- 5- **Moazzen, N** "Probiotic in primary immune deficiency", 14th professor Alborzi international clinical microbiology congress, Mashhad, Iran, 2020
- 6- **Moazzen, N** "Synbiotic and the Possible Increase of T Helper1Cells during Subcutaneous Immunotherapy for Allergic Rhinitis", Third International Congress of Immunology, Asthma, allergy, Tehran, Iran, 2017
- 7- **Moazzen, N** "A boy Suspected to DOCK-8 deficiency- A case report", 2nd J Project Congress, Antalya, 2016

Workshop Certifications:

2022	"Advanced Word" (4 hours)
2022	"Article Submission" (2 hours)
2021	"Systematic Review and Meta-analysis in Medical Sciences Research", Mashhad University of Medical Sciences (15 hours)
2020	"Medical Ethics in Patients Care", Mashhad University of Medical Sciences (3 hours)
2020	"Publish or not Perish?", Mashhad University of Medical Sciences (4 hours)
2019	"End Note Desktop", Mashhad University of Medical Sciences (4 hours)
2018	"Google Scholar, ORCID, Publons, Research gate", Mashhad University of Medical Sciences (4 hours)
2017	"Medical Professionalism", Mashhad University of Medical Sciences (4 hours)
2017	"From Blackboard to MOOC", Mashhad University of Medical Sciences (3 hours)
2016	"Immunotherapy", Mashhad University of Medical Sciences (3 hours)
2016	"Use of RAST and CAP test in the Diagnosis of Food and Drug Allergy", Mashhad University of Medical Sciences (5 hours)
2015	How to Use SPSS in Data Analysis", Mashhad University of Medical

	Sciences (6 hours)
2011	“Medical Ethic” workshop, Mashhad University of Medical Sciences (30 hours)
2011	“ICD 10” Workshop, Mashhad University of Medical Sciences (3 hours)

Employment History:

Academic Appointments

2017- Present	Assistant Professor, Department of Pediatrics, Division of Pediatric Allergy, Immunology, University of Mashhad University of Medical Sciences (MUMS)
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Clinical Service:

Clinical Expertise:

- Board certified pediatrician
- Board Certified Allergist/ Clinical Immunologist
- Clinical and research focus on asthma, food allergy, Probiotic, Immune Deficiency and Immunotherapy

Scope of Clinical Practice:

2017-present	Mashhad University of Medical Sciences, Allergy/Immunology Ward Attending. (3-4 full day sessions per week).
2017- Present	Mashhad University of Medical Sciences, Inpatient Pediatric Consultative Service and On call Coverage (Average 20 days per month and 24 hour on call Coverage)
2017-2019	General Pediatrics Ward Attending (2-3 days per weeks).
2014-present	Mashhad University of Medical Sciences, Inpatient Allergy/Clinical Immunology Consultative Service and On Call coverage (Average 20-30 consults per month and 24 hour On Call coverage).
2014-present	Mashhad University of Medical Sciences, Allergy/Immunology Outpatient Clinics, Pediatric Subspecialty downtown practice (3 clinic sessions per week)
2013- 2014	Sabzevar University of Medical Sciences, Inpatient Pediatric

	Consultative Service and On Call coverage (Average 15-20 consults per month and 24 hour On Call coverage).
2013-2014	Sabzevar University of Medical Sciences, Pediatric Outpatient Clinic, (1-2 clinic sessions per week)

Development of any Clinical Programs:

2019-Present	Develop and Establish Pediatric Allergy Registry in Mashhad University of Medical Sciences
2020-Present	Co-develop Primary Immune Deficiency Registry in Mashhad University of Medical Sciences

Administrative Service:

Institutional Service:

2020-2023	Preparing participates for national scientific Olympiad for medical sciences students , Mashhad University of Medical Sciences (MUMS)
2019-2021	Member of examiner board of comprehensive pre-internship examination, Mashhad University of Medical Sciences (MUMS)
2019-Present	Member of research in medical education committee, education development center (EDC), Mashhad University of Medical Sciences (MUMS)
2019-Present	Research committee of children' hospital Akbar, Mashhad University of Medical Sciences (MUMS)
2018-Present	Member of Education Development Center (EDC), Mashhad University of Medical Sciences (MUMS)
2018-2021	Journal club manager of Akbar hospital, Mashhad University of Medical Sciences (MUMS)

National Service:

2018- Present	Reviewer in Iranian Journal of Asthma, allergy, Immunology (2x/yr)
2018- Present	Ad hoc Reviewer, Journal of Patient Safety and quality

	improvement (1x/yr)
2017-present	Reviewer in international Journal of pediatrics, Mashhad University of Medical Sciences (MUMS), Mashhad, Iran. (Annual review of 8-10 manuscripts)
2017-Present	Member, Iranian Society of Allergy Asthma and Immunology
2011- Present	Member, Medical council of Iran

Teaching:

Medical Student Teaching:

2017-Present	Department of Pediatrics Small Group Instructor/Tutor: 3 days in week, 4 th year medical students
2017-Present	Clinical "bedside" teaching: 6 th year medical students 3 days per week on Allergy/Immunology Elective Rotation
2017-Present	Pediatric Teaching Attending on Ward (4 rd year medical students)
2017-Present	Department of Pediatrics Oral Exam Administrator: 3 to 4 times per year, 4 rd and 6 th year medical students
2017-Present	Immunology, Asthma and Allergy Lectures, 4 nd year medical students (30 hour lecture, 200 students per year)
2017-Present	Immunology, Asthma and Allergy Lectures, 6 nd year medical students (30 hour lecture, 150 students per year)

Thesis Supervisor/Advisor for medical students:

2018-Present Hoda Hatamzadeh 2018-2020, Fuzieye Takhari 2018-2020, Mahsa Haydari 2018-2021, Alireza Taghavi 2020- 2021, Amir hossein Jallali 2020-Present, Mahnaz Sadeghipoor 2020-Present, Sara Mahdipoor 2020-Present, Hedyeh Ghasemi 2020-2021, Zohre Valipour 2022- Present, Mostafa Fahim 2022-Present, Rayhane Khodadadi 2022-Present, Masoume Haydari 2022-Present, Amir Hosein Mashmol 2022-Present, Nilofar Rahimpour 2022-2023, Mozghan Hoseini 2023- Present, Zahra Mollazade 2023- Present, Sepehr Sharghi 2023- Present
(Average contact 4-6 hours per month)

Pediatric Residents:

2017- Present	Teaching Residents on Allergy/ Clinical Immunology Elective:
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	Average 1-2 residents/month within clinic/hospital, teaching average 10-12 hours/week
2017- Present	Pediatric Morning Report: 2-4 days/weeks (Approximately 20 residents and 60 students attend)

Residents Thesis Supervisor/Advisor:

2018-Present Rana Tafreshi 2018-2021, Amir Hossein Masroor 2018-2022, Maryam Bagherian 2020-present, Fasihe Mazandarani 2021-Present, Shokouh Hamidifar 2021-Present, (Average contact 2 hours per month)

Subspecialty Resident Thesis Supervisor/Advisor:

Sara Nikpoor 2022-Present (Average contact 2 hours per month)

Other:

Education Development Center (EDC) Member (Mashhad University of Medical Sciences):

2020- 2022	Teaching Methods of Medical Student's evaluation Course, for MSc Students (4 Students, four hours per month)
2019- Present	Member of "Research in Education", EDC, Mashhad University of Medical Sciences
2018-2021	Advisor professor for one talent medical student, developed and established Pediatric Asthma registry in Mashhad University of Medical Sciences

Research Advisor:

Department of Pediatrics Research Advisor:

2022	Application of magnesium sulfate nebulization in children with cystic fibrosis
2022	Evaluation of diagnostic value of biomarker interleukin33 in diagnosis of biliary atresia in infants with cholestasis admitted to Akbar children's hospital
2022	Efficacy of using oscillatory-PEP device on pulmonary function based on spirometry indices in patients with corona virus
2022	Evaluation of spirometry indices in children aged 6 to 14 years improved

	from Covid 19
2021	Efficacy of using oscillatory-PEP device on pulmonary function based on spirometry indices in patients with cystic fibrosis (randomized control trial)
2021	Comparison of the effect of the epinephrine nebulizer with subcutaneous injection in patients with acute asthma attack: a randomized control trial
2021	Effect of nasal spray based on herbal extracts (Iranian traditional medicine formulation) on the treatment of allergic rhinitis
2020	"Genetic Studies in Pediatric Patients Suspected for Primary Immune Deficiency"
2020	"D-Dimer and Complement Component in Covid-19
2020	"Clinical Manifestations and Para clinic Features of Pediatric Patients with Recurrent Sepsis of Akbar Hospital
2020	"Characteristic of Multisystem Inflammatory Syndrome due to Covid-19 in Pediatric Patients Referring to Akbar Hospital"
2020	"A Pilot Study, Investigation of Ethanol IgE mediated sensitization Incidence in Covid-19 pandemic"
2020	"Etiology of Vasculitis in Pediatric Patients Referring to Akbar Hospital"
2020	"Chronic Cough etiology in Pediatric Patients"
2019	"Intra Nasal Vitamin D in Symptoms and Specific IgE of Perennial Allergic Rhinitis patients Sensitized with Salsola Kali"
2019	"Investigation of Efficacy of Preventive Package in School Ages children During Influenza Season"
2019	"Investigation of Hemoptysis etiology in Pediatric Patients in Mashhad University"
2019	"Corticosteroid Pulse Therapy in Refractory Juvenile Idiopathic Arteritis"
2018	"Exhaled NO measurement in Diagnosis and Treatment Monitoring of Asthmatic Patients"
2018	"Investigation of Gluten Free Diet Adherence in Celiac Patients"
2017	"Pulmonary Function Test in pediatric patients who undergo Hemodialysis"

Other Institutions Research Advisor:

2022	Improvement of midwifery students rating in delivery room in Mashhad University of Medical Sciences
2022	Medical students' assessments during COVID-19 pandemic: a scoping

	review
2021	Developing and investigating the effect of pre-internship training courses on the attitude, knowledge and operation of medical students of Mashhad University of Medical Sciences to enter the internship course: An intervention in medical education
2021	Evaluation of educational-clinical environment of teaching hospitals of Mashhad University of Medical Sciences from the perspective of general medical students' art externship level based on DREEM model in 2021-2023
2021	Education Development Center: "Prediction of Quality of Medical Students in Comprehensive Examinations"
2021	Education Development Center: "Educational Clip before Entrance of dentistry Clinical Wards"
2020	Pharmacology school: "Local Probiotic products-Meta analysis Study"
2019	Education Development Center: "Quality of Clinical Education in educational Hospitals of Mashhad University of Medical Sciences"
2019	Education Development Center: "Quality of Educational Spaces in Akbar Hospital- a cross Sectional Study"
2018	Education Development Center: "Curcumin Efficacy in Respiratory Function Test of Asthmatic Children"

Proffered Communications (Selected):

National:

- 1- **Moazzen N**, Amirabadi A, Shabestari M. "Coronary Artery Angiographic changes in Veterans intoxicated by Mustard gas", 3rd Research Congress of Complimentary Education Students, Mashhad University of Medical Sciences (MUMS), Iran, 2011

International:

- 1- **Moazzen N**, Jabbari F, Ahanchian H, Farid R. Synbiotic and the Possible Increase of T Helper1Cells during Subcutaneous Immunotherapy for Allergic Rhinitis, American Academy of Allergy Asthma and Immunology (AAAAI) Annual Meeting, Georgia, USA, Poster Presentation, 2017
- 2- Amirabadi A, Homae F, **Moazzen N**. Is P53 overexpression affects cosmetic

results of breast cancer patients after radiation therapy? International
Multidisciplinary Cancer Congress, Mashhad, Iran, Poster Presentation, 2011

Professional Society Memberships:

2017- Present General Member, Iranian society of Allergy, Asthma and
Immunology

2014- Present Fellow, American Academy of Allergy, Asthma and Immunology

2013- Present General Member, Iranian Academy of Pediatrics

2011- Present General Member, Medical Council of Iran