

CURRICULUM VITAE"

Personal Information:



Name: Samin

Given Name: Sharafian

Date of Birth: 20/6/1985

Nationality: Iranian

Gender: Female

Marital status: Married

Work Address: Department of Asthma & Allergy, Mofid Children Hospital,
Dr.Shariati Ave. Tehran, IRAN Tel: 22227033 Postal code: 15468-15514

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h-index: 7

i10 index: 5

Citations: 369

Current position:

Allergist, Clinical Immunologist, Allergy and Clinical Immunology Department
of Mofid Children's Hospital

Assistant professor, Shahid Beheshti University of Medical Sciences, Tehran,
IRAN

Qualification:

MD General Medicine, Bushehr University of Medical Sciences

Pediatrician, Yasuj University of Medical Sciences

Top-ranking student in the final Board exam of the specialty course in Iran, 2014

Allergist and Clinical Immunologist, Tehran University of Medical Sciences

Top-ranking student in the final Board exam of the subspecialty course in Iran, 2018

A 3 months **observership** course in the field of **Bone Marrow Transplantation** in Mofid Children's Hospital (2021).

A 3 months **observership** course in the field of **HSCT** at Great North Children's Hospital, Newcastle Upon Tyne, UK. (October-December 2023)

IPOPI NMO Support Grant 2023

IUIS congress 2023 Travel Grant

IPIC congress 2023 Travel Grant

Work:

Since 2021 till Now: Working as assistant professor (Allergist, Clinical Immunologist) in Shahid Beheshti University of Medical Sciences, IRAN

2018 - 2020: Worked as assistant professor (allergist, Clinical Immunologist) in Bushehr University of Medical science (BUMS), Bushehr, IRAN

2014 - 2015: Worked as pediatrician in Bushehr university of Medical Sciences

2009 - 2011: worked as a general physician in general Hospital in Shiraz and Kazeroun, IRAN

Workshops:

2012: Participation in “Ethic in Scientific writing” workshop, YUMS, Iran

2016: Participation in Workshop of Software End Note, TUMS, Iran

2016: Participation in Workshop of Writing Articles in English (Advanced), TUMS, Iran

2016: Participation in Workshop of how to search in medical databases, TUMS, Iran

2016: Certification of Completion the course Titled as: Peer Reviewing and Critical Appraisal Workshop, the 3rd International Congress of Immunology, Ashtma and Allergy. Tehran, Iran.

2017: Peer Reviewing and Critical Appraisal workshop, TUMS, Iran

2017: Participation in Advanced Article Writing Workshop, Asthma and Allergy Research Center, TUMS, Iran

2017: Attendance in “European Academy of Allergy and Clinical Immunology Congress 2017”

Interests:

Clinical Immunology: Primary Immunodeficiency, Bone Marrow Transplant in PID

➤ **Some of the research projects I have undertaken are listed below:**

- 1- 2008-2009: Collaborator and associate researcher, project entitled evaluation of *in vitro* antitumor activity of *Gracilaria corticata* (a red alga) against Jurkat and

- molt-4 human cancer cell lines, Boushehr University of Medical Sciences, Boushehr, Iran
- 2- 2008-2009: Collaborator and associate researcher, project entitled evaluation of IMOD drug effect on CD4 count in HIV patients, Boushehr University of Medical Sciences, Boushehr, Iran
 - 3- 2013-2014: Executor and director, project entitled Evaluation of Vitamin A effects on Post Bronchiolitis Wheezing, Yasouj University of Medical Sciences, Yasouj, Iran
 - 4- 2013-2014: Collaborator and associate researcher entitled Evaluation of Zinc Sulfate effects on Post Bronchiolitis Wheezing, Yasouj University of Medical Sciences, Yasouj, Iran
 - 5- 2017-2018: Executor and director, project entitled The Efficacy of a New Protocol of Oral Immunotherapy to Wheat for Desensitization and Induction of Tolerance., Tehran University of Medical Sciences, Tehran, Iran
 - 6- 2021-2022: Executor and director project entitled evaluation of cellular and humoral primary immunodeficiencies in patients with autoimmune encephalitis. Shahid Beheshti University of Medical Sciences, Tehran, Iran
 - 7- 2021-2022: Executor and director project entitled evaluation of innate primary immunodeficiencies in patients with autoimmune encephalitis, Shahid Beheshti University of Medical Science, Tehran, Iran
 - 8- 2021-2022: Executor and director project entitled evaluation of clinical manifestations, demographic information, genetic and laboratory data of all ADA deficient patients in Iran, Shahid Beheshti University of Medical Sciences, Tehran, Iran
 - 9- 2021-2022: Executor and director project entitled evaluation of clinical manifestations, demographic information, genetic and laboratory data of all DCLRE1C deficient patients in Iran, Shahid Beheshti University of Medical Sciences, Tehran, Iran.
 - 10- 2021-2022: Collaborator and associate researcher project entitled evaluation of clinical efficacy of Rituximab administration in primary immunodeficiency diseases with autoimmune Manifestation, Shahid Beheshti University of Medical Sciences, Tehran, Iran
 - 11- 2020-2022: Collaborator and associate researcher project entitled the prevalence and etiology of Hypoalbuminemia among patients with combined immunodeficiency. Shahid Beheshti University of Medical Sciences, Tehran, Iran
 - 12- 2020-2022: Collaborator and associate researcher project entitled the evaluation of clinical course and characteristics of Covid-19 in patients with inborn errors of immunity, Shahid Beheshti University of Medical Sciences, Tehran, Iran

- 13- 2020-2022: Collaborator and associate researcher project entitled the prevalence of renal disorder among patients with combined immunodeficiency. Shahid Beheshti University of Medical Sciences, Tehran, Iran
- 14- 2020-2022: Collaborator and associate researcher project entitled the evaluation of structural and non-structural CNS manifestation in patients with combined immunodeficiency as a multicenter study, Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- 15- 2021: Collaborator and associate researcher project entitled montelukast and COVID-19, Alborz University of Medical Sciences, Karaj, Iran
- 16- 2021: Collaborator and associate researcher, project entitled malignancy in patients with primary immunodeficiency, Alborz University of Medical Sciences in collaboration with research center for immunodeficiency, affiliated to Tehran university of medical sciences
- 17- 2016: Collaborator and associate researcher project entitled evaluation of quality of life in asthmatic children, Alborz University of Medical Sciences, Karaj, Iran
- 18- 2021-2022: Collaborator and associate researcher project entitled genetic evaluation of MIS-C patients, Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- 19- 2022: Collaborator and associate researcher project entitled evaluation of double negative T cells in patients with ALPS-like syndrome, Shahid Beheshti University of Medical Sciences, Tehran, Iran.

Publications:

Journals:

- 1.
2. Niloofar Shashaani¹, Zahra Chavoshzadeh², Leila Ghasemi¹, Shabnam Hajiani Ghotbabadi³, Sara Shiari⁴, **Samin Sharafian^{2*}** and Reza Shiari^{1*}. **Immunodeficiency due to a novel variant in PIK3CD: a case report.** *Pediatric Rheumatology* (2023) 21:71
3. Arefeh Zahmatkesh, Mahnaz Jamee, Zahra Chavoshzadeh, Abdollah Karimi, Shahnaz Armin, Roxana Mansour Ghanaie, Mehrnaz Mesdaghi, **Samin Sharafian.** **Ecthyma Gangrenosum in Three Unrelated Patients with Combined Immunodeficiency.** *Journal of Clinical Pediatrics and Child Care Research.* 2023, Volume 4 | Issue 1 | 04.

4. Narges Bazgir, Azin Tahvildari¹, Zahra Chavoshzade², Mahnaz Jamee^{3,4}, Zahra Golchehre⁵, Abdollah Karimi³, Naghi Dara⁶, Mazdak Fallahi², Mohammad Keramatipour, Arezou Karamzade⁵ and **Samin Sharafian**². **A rare immunological disease, caspase 8 deficiency: case report and literature review**. Allergy, Asthma & Clinical Immunology. (2023) 19:29
5. Mahsa Hojabri¹, Yeganeh Farsi¹, Mahnaz Jamee^{2,3}, Hassan Abolhassani⁴, Hedieh Haji Khodaverdi Khani⁵, Abdollah Karimi⁶, Mehrnaz Mesdaghi³, Zahra Chavoshzadeh³ and **Samin Sharafian**. **JAGN1 mutation with distinct clinical features; two case reports and literature review**. BMC Pediatrics (2023) 23:206.
<https://doi.org/10.1186/s12887-023-04024-y>
6. Niussha Sharifinejad ¹, Gholamreza Azizi ^{1,2,*}, Seyed Erfan Rasouli ¹ , Zahra Chavoshzadeh ³, Seyed Alireza Mahdaviani ⁴, Marzieh Tavakol ¹, Homa Sadri ¹, Mohammad Nabavi ⁵, Sareh Sadat Ebrahimi ⁶, Afshin Shirvani ⁷, Ahmad Vosughi Motlagh ⁸, Tooba Momen ⁹, **Samin Sharafian** ³, Mehrnaz Mesdaghi, Narges Eslami ³, Samaneh Delavari ², Sasan Bahrami ¹⁰, Reza Yazdani ², Nima Rezaei and Hassan Abolhassani. **Autoimmune versus Non-autoimmune Cutaneous Features in Monogenic Patients with Inborn Errors of Immunity**. Biology 2023, 12, 644. <https://doi.org/10.3390/biology12050644>
7. Soodeh Ghadimi, Mahnaz Jamee , Hassan Abolhassani, Nima Parvaneh⁴ , Nima Rezaei , Samaneh Delavari, Mahnaz Sadeghi - Shabestari, Sedigheh Rafiei Tabatabaei , Alireza Fahimzad ,Shahnaz Armin , Zahra Chavoshzadeh* and **Samin Sharafian***. **Demographic, clinical, immunological, and molecular features of iranian national cohort of patients with defect in DCLRE1C gene**. Allergy, Asthma & Clinical Immunology (2023) 19:13
8. Zahra Salehi Shahrababaki MD, Zahra Chavoshzadeh MD, Fahimeh Abdollahimajd MD, **Samin sharafian MD**, Mahnaz Jamee MD, | Anastasia Bondarenko MD, Tolue Mahdavi MD. **Skin manifestations in**

children with inborn errors of immunity in a tertiary care hospital in Iran*J Cutan Immunol Allergy*. 2023;00: 1–6.

9. Zahra Golchehre, **Samin Sharafian**, Nader Momtazmanesh, Zahra Chavoshzadeh, Abdollah Karimi, Hassan Abolhassani, Maryam Kazemi Aghdam, Koroush Vahidshahi, Seyedehatefeh Hashemimoghaddam, Farid Kosari, Zahra Khafafpour, Bibi Shahin Shamsian, Mohammad Keramatipour; New Presentation of CD27 Deficiency; Coronary Ectasia and COVID-19? *Iran J Allergy Asthma Immunol* February 2023; 22(1):110-118.
10. Bibi Shahin Shamsian a , Amirreza Paksaz b *, Zahra Chavoshzadeh c , **Samin Sharafian** c , Seyed Morteza Tabatabaee Yazdi a , Mahnaz Jamee d *; Successful Hematopoietic Stem Cell Transplantation in Omenn Syndrome: A Case Report . *Experimental and Clinical Transplantation, Blood Cell Ther*. 2022 Aug 25; 5(3): 75–78.
11. **Samin Sharafian**, Gabriella Jacomelli, Banafshe Tamizifar, Mohammad Shahrooei, Nima Parvaneh. Adenosine Deaminase (ADA) Deficiency: Report of Six New Cases and Reappraisal of Cutaneous Hypermelanosis as an Early Feature. *Journal of Clinical Immunology*. 2022 July; Doi.org/10.1007/s10875-022-01337-y
12. Mahnaz Jamee a,b, Gholamreza Azizi c,d,1,**, Safa Baris e,f,g, Elif Karakoc-Aydiner e,f,g, Ahmet Ozen e,f,g, Sara S. Kiliç h, Hulya Kose h, Zahra Chavoshzadeh i, Seyed Alireza Mahdavian j, Tooba Momen k, Bibi Shahin Shamsian l, Mazdak Fallahi i, **Samin Sharafian** i, et al. Clinical, immunological, molecular and therapeutic findings in monogenic immune dysregulation diseases: Middle East and North Africa registry. *Clinical Immunology* 244 (2022) 109131. 2022 September. Doi.org/10.1016/j.clim.2022.109131
13. Marzieh Tavakol, Sarina Ansari, Samaneh Delavari, Seyed Erfan Rasouli, Zahra chavoshzadeh, **Samin sharafian**, et al. Diversity of Malignancies

in Patients with Different Types of Inborn Errors of Immunity. *Allergy, Asthma & Clinical Immunology* (2022) 18:106

14. Jamee, Mahnaz; Fard, Nasrin Khakbazan; Fallah, Shahrzad; Golchehre, Zahra; Fallahi, Mazdak; Shamsian, Bibi Shahin; **Sharafian, Samin**; Chavoshzadeh, Zahra Cernunnos Defect in an Iranian patient with T - B + NK + Severe Combined Immunodeficiency: A Case Report and Review of the Literature, In *Molecular Genetics and Genomic Medicine*, 2022; 10: e1990
15. SR Tabatabaei, SA Fahimzad, N Eslami, **S Sharafian**, et al. Clinical Course and Characteristics of COVID-19 in Patients With Inborn Errors of Immunity: A Retrospective Multicenter Experience From Iran, *Pediatric Journal of Infectious disease*, 2021.(accepted)
16. **S Sharafian**, A Amirzargar, M Gharagozlou, et al. The Efficacy of a New Protocol of Oral Immunotherapy to Wheat for Desensitization and Induction of Tolerance. *Iranian Journal of Allergy, Asthma and Immunology*. June 2022, 21(3):232-240
17. F Fayaz, **S Sharafian**, M Tavakol. Incidence of Poliovirus Infection in Patients with Severe Combined Immunodeficiency (SCID). *Immunology and Genetics Journal*, July 2022.
18. Mahnaz Jamee; **Samin Sharafian***; Seyedeh Atefeh Hashemimoghaddam; Zahra Chavoshzadeh. Hyperpigmented skin lesions in a patient with severe combined immunodeficiency and adenosine deaminase gene defect. *Journal of Clinical Images and Medical Case Reports*. 2022, 2766-7820
19. Mahdavi FS, Keramatipour M, Ansari S, **Sharafian S**, Karamzade A, Tavakol M. X-linked SCID with a rare mutation. *Allergy Asthma Clin Immunol*. 2021 Oct 11;17(1):107. doi: 10.1186/s13223-021-00605-7. PMID: 34635152

20. Sharifinejad N, Sharafian S, Salekmoghadam S, Tavakol M, Qorbani M. Montelukast and Coronavirus Disease 2019: A Scoping Review. *Iran J Allergy Asthma Immunol.* 2021 Aug 7;20(4):384-393.
21. Aghamohammadi A, Rezaei N, Yazdani R, Delavari S, Kutukculer N, Topyildiz E, Ozen A, ..., Samin Sharafian, and etc. Consensus Middle East and North Africa Registry on Inborn Errors of Immunity. *J Clin Immunol.* 2021 Aug;41(6):1339-1351. doi: 10.1007/s10875-021-01053-z. Epub 2021 May 29. PMID: 34052995.
22. Azizi G, Tavakol M, Yazdani R, Delavari S, Moeini Shad T, Rasouli SE, Jamee M, Behniafard N, Nabavi M, Bermanian MH, Arshi S, S, Sharafian S, etc. Autoimmune manifestations among 461 patients with monogenic inborn errors of immunity. *Pediatr Allergy Immunol.* 2021 Aug;32(6):1335-1348. doi: 10.1111/pai.13510. Epub 2021 May 13. PMID: 33774840
23. Asgardoon MH, Azizi G, Yazdani R, Sohani M, Pashangzadeh S, Kalantari A, ... Sharafian S, et al. Monogenic Primary Immunodeficiency Disorder Associated with Common Variable Immunodeficiency and Autoimmunity. *International archives of allergy and immunology.* 2020;181(9):706-14.
24. Sharafian S, Tavakol M, Gharagozlou M, Parvaneh N. Delay in Diagnosis of Two Siblings with Severe Ocular Problems and Autoimmune Polyglandular Syndrome. *Iranian journal of allergy, asthma, and immunology.* 2020;19(3):313-7.
25. Sharafian S, Movahedi M, Kalantari A, Parvaneh N, Gharagozlou M. A Rare Case of Hyper IgE Syndrome with Vocal Cords Involvement. *Iranian journal of allergy, asthma, and immunology.* 2019;18(2):225-9.
26. Sharafian S, Ziaee V, Shahrooei M, Ahadi M, Parvaneh N. A Novel STK4 Mutation Presenting with Juvenile Idiopathic Arthritis and Epidermodysplasia Verruciformis. *J Clin Immunol.* 2019;39(1):11-4.

27. Tavakol M, **Sharafian S**, Salari F, Shokri S. A Review on Hyper-IgE Syndromes: Clinical Manifestations, Diagnosis and Therapeutic Approaches. *Immunology and Genetics Journal*. 2019;2(3):90-103.
28. Yazdani R, Abolhassani H, Kiaee F, Habibi S, Azizi G, Tavakol M, **Sharafian S**, et al. Comparison of Common Monogenic Defects in a Large Predominantly Antibody Deficiency Cohort. *The journal of allergy and clinical immunology In practice*. 2019;7(3):864-78. e9.
29. Tavakol M, Tavakol Z, **Sharafian S**, Shaker Y, Alizadeh M, editors. Evaluation of the asthmatic children's quality of life. *ALLERGY*; 2019: WILEY 111 RIVER ST, HOBOKEN 07030-5774, NJ USA.
30. **Sharafian S**. Bloody Streaks in Stool. In: Rezaei N, editor. *Pediatric Allergy: A Case-Based Collection with MCQs, Volume 1*. Cham: Springer International Publishing; 2019. p. 65-8.
31. **Sharafian S**, Alimadadi H, Shahrooei M, Gharagozlou M, Aghamohammadi A, Parvaneh N. **A Novel TTC7A Deficiency Presenting with Combined Immunodeficiency and Chronic Gastrointestinal Problems**. *Journal of investigational allergology & clinical immunology*. 2018;28(5):358-60.
32. Abolhassani H, Kiaee F, Tavakol M, Chavoshzadeh Z, Mahdavian SA, Momen T., **Sharafian S**, et al. **Fourth Update on the Iranian National Registry of Primary Immunodeficiencies: Integration of Molecular Diagnosis**. *J Clin Immunol*. 2018;38(7):816-32.
33. Zandi K, Tajbakhsh S, Nabipour I, Rastian Z, Yousefi F, **Sharafian S**, et al. **In vitro antitumor activity of Gracilaria corticata (a red alga) against Jurkat and molt-4 human cancer cell lines**. *African Journal of Biotechnology*. 2010;9(40):6787-90.

presentations:

1. New treatment in primary immunodeficiency, 13th International congress on primary immunodeficiency disease, April 2022, 24-25. Tehran, Iran (oral presentation).
2. Management of GI manifestation in primary immunodeficiency, Iranian society of Allergy and Asthma congress. May 2022, 1. Tehran. Iran (oral presentation)
3. Approach to autoimmune cytopenia in primary immunodeficiency, local congress on primary immunodeficiency, May 2022, 1. Tehran, Iran (oral presentation)
4. Primary immunodeficiency treatments, Iranian society of Allergy and Asthma congress. April 2021, 30. Tehran. Iran (oral presentation)
5. EBV-associated primary immunodeficiency diseases, 12th International congress on primary immunodeficiency disease, April 2021, 28. Tehran, Iran (oral presentation)
6. Enteropathy and primary immunodeficiency, local congress on primary immunodeficiency, September 2021, 10. Tehran, Iran (oral presentation)
7. Primary immunodeficiency and surgery, local congress on primary immunodeficiency, July 2021, 12. Tehran, Iran (oral presentation)
8. Primary immunodeficiency and structural CNS manifestations, local congress on primary immunodeficiency, February 2021, 15. Tehran, Iran (oral presentation)
9. Two APS1 sibling with severe keratitis, nail dystrophy and photophobia, 8th International congress on primary immunodeficiency disease, April 2016, 23-24. Tehran, Iran (oral presentation)
10. Two Patients with Nail Dyskeratosis, the third PID spring school, Children Medical Center Hospital, April 23th, 2018. Tehran, Iran (oral presentation)

11. The efficacy of a new protocol of oral immunotherapy to wheat for desensitization and induction of tolerance and evaluation of Treg cells. 31th International Congress on pediatrics. Oct31-Nov 3 2019. Tehran, Iran (oral presentation)
12. A rare case of hyper IgE Syndrome with Vocal Cords Involvement. 31th International Congress on pediatrics. Oct31-Nov 3 2019, Tehran, Iran (as a poster)

Books:

1. Main author of Persian translation of "Nelson Text Book, Immunology and Allergy Chapter" 2020
2. Main author of Persian translation of "Nelson Text Book, Hematology Chapter" 2020
3. Contributing author: "Pediatric Allergy and Clinical Immunology", Elsevier, 2019
4. Contributing author: Persian book named "Immunotherapy"
5. The main author of the Persian book named "A set of questions for the admission test of the fellowship of Allergy and Clinical Immunology", 2021
6. Original author of Nelson 2020 Summary Books (In three volumes), 2021
7. The main author of the Persian book named, A set of questions for the specialized board of children, 2019

8. Siblings with Nail Dystrophy and Photophobia. In: Rezaei N, editor. Pediatric Immunology: A Case-Based Collection with MCQs, Volume 2. Cham: Springer International Publishing; 2019. p. 469-71.
9. The main author of the Persian book named, A set of questions for the specialized board of children, 2018
10. The main author of the Persian book named, A set of questions for the specialized board of children, 2017
11. The main author of the Persian book named, A set of questions for the specialized board of children, 2016
12. The main author of the Persian book named "Pediatric Osce", 2015, in 2 volumes.
13. Original author of the Persian book "Nelson 2016 Summary Book" (In three volumes)
14. Original author of the Persian book named "Nelson 2011 Summary Book"
15. Siblings with Nail Dystrophy and Photophobia. In: Rezaei N, editor. Pediatric Immunology: A Case-Based Collection with MCQs, Volume 2. Cham: Springer International Publishing; 2019. p. 469-71.

Other skills:

1. Equestrian professional level
2. Professional swimming
3. German language certificate from Austrian Embassy Association in Iran
4. Fluency in English
5. Professional in research

Other Academic Merits:

1. **Paramount Young Scientists** in Ashtiani Congress (Iran) in 2018
2. **Top-ranking student** in the final Board exam of the subspecialty course in Iran, 2018
3. **Top-ranking student** in the final Board exam of the specialty course in Iran, 2014

