



## Curriculum vitae

### Personal Information:

<b>First Name :</b> Zahra	<b>Date Of Birth:</b> 1965
<b>Surname :</b> Chavoshzadeh Natanzi	<b>Nationality:</b> Iranian
	<b>Gender:</b> Female
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➤ Zahra_chavoshzadeh@yahoo.com	Department of Asthma & Allergy ,Mofid Children Hospital, Dr.Shariati Ave. Tehran,IRAN Tel:22227033 Postal code:15468-15514

### Education:

- Allergist,Clinical Immunologist,
- Head of Allergy ,Clinical Immunology Dept of Mofid Children's Hospital
- Associated professor in Shahid Beheshti University of Medical sciences,IRAN

**Interest : Inborn Error Of Immunity , Combined Immunodeficiency, Disease of immune dysregulation**

- **2017** Having a observer ship course in great north hospital , Newcastle, UK ( 1 month)
- *2013 – now working especially on Inborn errors of immunity*
- **2012-Now** Working as associated professor (Allergist,Clinical immunologist) in Shahid Beheshti University of Medical sciences,IRAN
- **2013** Having a observer ship course in CCI , Freiburg, Germany ( 3 months)

- **2005- 2012** : Worked as assistant professor(allergist, Clinical Immunologist) in Shahid Beheshti University of Medical sciences (SBMU) , Tehran,IRAN
- **2000-2004**: Graduated from Tehran university of Medical Sciences,Tehran, IRAN as Allergist ,Clinical Immunologist.
- **1995-1998**: Worked as assistant professor (pediatrician) in Kashan university of Medical Sciences (KUMS) , IRAN
- **1992-1995**: Graduated from Tehran university of Medical Sciences,Tehran, IRAN as pediatrician.
- **1990- 1991**: worked as general physician in general Hospital in Isfahan, IRAN
- **1983-1990**: Graduated from Tehran university of Medical Sciences,Tehran (TUMS), IRAN as general physician

### **Workshops:**

- **2015**: Participation in “Ethic in Scientific writing” workshop, TUMS ,Iran
- **2013** :participation in Medical Journalism Workshop, TUMS, Iran
- **2010**: Participation in Advanced Article Writing Workshop, Asthma and Allergy Research Center, TUMS, Iran
- **2009**: Participation in Advanced Clinical Immunology course, Children's Hospital Medical Center, TUMS, Iran
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- **2009**: Participation in Workshop of Software End Note, SBMU, Iran
- **2009**: Participation in Workshop of Writing Articles in English (Advanced), SBMU, Iran
- **2008**: Participation in Workshop of how to search in medical databases, SBMU, Iran
- **2008**: Participation in Workshop of Writing Articles in English (introductory), SBMU, Iran
- **2007**: Participation in Article Writing Workshop, SBMU, Iran
- **2007**: Participation in Oral Presentation Workshop, SBMU, Iran
- **2006**: Participation in Workshop on Advanced Clinical Trial, Research Institute for Endocrine Sciences, SBMU, Iran
- **2005**: Participation in Curriculum design workshop, SBMU, Iran
- **2005**: Participation in Guided discovery Learning workshop, SBMU, Iran
- **2005**: Participation in Student performance assessment workshop, SBMU, Iran

- **2005:** Participation in workshop on EBM (Evidence Based Medicine), SBMU, Iran
- **2004:** Participation in Theoretical And Practical Workshop, "Molecular Immunology" Workshop, National Institute for Genetic Engineering and Biotechnology (NIGEB),Iran
- **1997:** Participation in Article Writing Workshop, KUMS, Iran
- **1996:** Participation in Research methodology workshop for faculty members, KUMS, Iran

### ***Scientific Position & Teaching:***

- **2020- Now :** Member of clinical immunology board exam
- **2012-Now:** Editorial board of Archives of Pediatric Infectious Diseases journal, Iran
- **2009-Now:** Member of Research Council of Pediatric Infectious Research Center, Mofid Children's Hospital, SBMU, Iran
- **2009-Now:** Member of Research Council of Clinical Research Development Unit, Mofid Children's Hospital, SBMU,Iran
- **2006-Now:** Member of Bone Marrow Transplant committee in Research Center For Immunology, Asthma And Allergy, TUMS, Iran
- **2005-Now:** Reviewer of Iranian Journal Of Allergy, Asthma And Immunology
- **2005:Now** Collaboration With The Research Center For Immunology, Asthma And Allergy For Arbitration Research Projects , TUMS, Iran
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- **2005-Now :** Head of Department of Allergy,Clinical, Immunology of Mofid Children's Hospital ,SBMU, Iran
- **2006-Now :** Chairman of Immunology - Infectious diseases committee in pediatric infectious research center ,SBMU, Iran
- **2005-Now:** Arbitration of Research projects in Pediatric Infectious Research Center, SBMU, Iran

### ***Publications:***

**Articles:**

Khalili M, **Chavoshzadeh Z**, Darougar S, Mansouri M, Eslami N, Babaie D, Mesdaghi M, Karimi A, Armin S, Fahimzad A, Mansour Ghanaei R, Rafiee Tabatabaie S, Akrami F. **"The Radiological Manifestations of Phagocytic Primary Immunodeficiencies in Children"** Iran J Allergy Asthma Immunol. 2023 Sep 3;22(4):398-404.

Karimi A, Jamee M, Shokri Y, Heidari A, Nazarpack F, Fallahi M, Shiari R, Li PH, Sharifinejad N, Sharafian S, Mahdavian SA, Mansouri D, Zeinali A, Alyasin S, **Chavoshzadeh Z**; Study Group. **"Clinical Course, Therapeutic Management and Outcome of Coronavirus Disease in Patients With Inborn Errors of Immunity: A Retrospective Multicenter Experience From Iran"** Pediatr Infect Dis J 2023 Sep 15.

Mahdavian SA, Ghadimi S, Fallahi M, Hashemi-Moghaddam SA, **Chavoshzadeh Z**, Puel A, Rezaei N, Rekabi M, Daneshmandi Z, Sheikhy K, Kakhki AD, Saghebi SR, Pejhan S, Jamee M. **"Interventional pulmonary procedures and their outcomes in patients with STAT3 hyper IgE syndrome"** BMC Surg. 2023 Sep 23;23(1):289

Mahdavi FS, Tavakol M, Aghamahdi F, Sadri H, **Chavoshzadeh Z**, Jamee M, Noorian S, Alaei MR, Ashkevari P, Anaya JM, Abolhassani H, Ochs HD, Azizi G. **"Immunological Evaluation of Pediatric Patients with Polyautoimmunity"** Endocr Metab Immune Disord Drug Targets. 2023 Sep 12.

Mousavi Khorshidi MS, Seeleuthner Y, **Chavoshzadeh Z**, Behfar M, Hamidieh AA, Alimadadi H, Sherkat R, Momen T, Behniafard N, Eskandarzadeh S, Mansouri M, Behnam M, Mahdavi M, Heydarzad Zadeh M, Shokri M, Alizadeh F, Movahedi M, Momenilandi M, Keramatipour M, Casanova JL, Cobat A, Abel L, Shahrooei M, Parvaneh N **" Clinical, Immunological, and Genetic Findings in Iranian Patients with MHC-II Deficiency: Confirmation of c.162delG RFXANK Founder Mutation in the Iranian Population"** J Clin Immunol. 2023 Aug 16. doi: 10.1007/s10875-023-01562

hashaani N, **Chavoshzadeh Z**, Ghasemi L, Ghotbabadi SH, Shiari S, Sharafian S, Shiari R. **" Immunodeficiency due to a novel variant in PIK3CD: a case report"** Pediatr Rheumatol Online J. 2023 Jul 20;21(1):71.

Gao F, Liu H, Meng X, Liu J, Wang J, Yu J, Liu X, Liu X, Li L, Qiu L, Qian Z, Zhou S, Gong W, Meng B, Ren X, Golchehre Z, **Chavoshzadeh Z**, He J, Zhang H, Wang X. **"Integrative genomic and transcriptomic analysis reveals genetic alterations associated with the early progression of follicular lymphoma"** Br J Haematol . 2023 Sep;202(6):1151-1164

Block J, Rashkova C, Castanon I, Zoghi S, Platon J, Ardy RC, Fujiwara M, Chaves B, Schoppmeyer R, van der Made CI, Jimenez Heredia R, Harms FL, Alavi S, Alsina L, Sanchez Moreno P, Ávila Polo R, Cabrera-Pérez R, Kostel Bal S, Pfajfer L, Ransmayr B,

Mautner AK, Kondo R, Tinnacher A, Caldera M, Schuster M, Domínguez Conde C, Platzer R, Salzer E, Boyer T, Brunner HG, Nooitgedagt-Frons JE, Iglesias E, Deyà-Martínez A, Camacho-Lovillo M, Menche J, Bock C, Huppa JB, Pickl WF, Distel M, Yoder JA, Traver D, Engelhardt KR, Linden T, Kager L, Hannich JT, Hoischen A, Hambleton S, Illsinger S, Da Costa L, Kutsche K, **Chavoshzadeh Z**, et al, "**Systemic Inflammation and Normocytic Anemia in DOCK11 Deficiency**" *N Engl J Med.* 2023 Aug 10;389(6):527-539

Esmailzadeh H, **Chavoshzadeh Z**, Nabavizadeh SH, Alyasin S, Amanati A, Askarisarvestani A. „" **Systemic aspergillosis in a patient with interferon gamma receptor 1 deficiency; a case report**

*BMC Pediatr.* 2023 Jun 5;23(1):278. doi: 10.1186/s12887-023-04093-z.

Pashangzadeh S, Delavari S, Shad TM, Salami F, Rasouli SE, Yazdani R, Mahdavian SA, Nabavi M, Aleyasin S, Ahanchian H, Azad FJ, **Chavoshzadeh Z**, Nazari F, Momen T, Sherkat R, Abolnezhadian F, Esmailzadeh H, Fallahpour ,etal. "**Non-Infectious Complications in B-Lymphopenic Common Variable Immunodeficiency** , *J Investig Allergol Clin Immunol.* 2023 Apr 25:0. doi: 10.18176/jiaci.0902

) Hojabri M, Farsi Y, Jamee M, Abolhassani H, Khani HHK, Karimi A, Mesdaghi M, **Chavoshzadeh Z**, Sharafian S. : **JAGN1 mutation with distinct clinical features; two case reports and literature review** , *BMC Pediatr.* 2023 Apr 29;23(1):206. doi: 10.1186/s12887-023-04024-y.

Sharifinejad N, Azizi G, Rasouli SE, **Chavoshzadeh Z**, Mahdavian SA, Tavakol M, Sadri H, Nabavi M, Ebrahimi SS, Shirkani A, Vosughi Motlagh A, Momen T, Sharafian S, Mesdaghi M, Eslami N, Delavari S, Bahrami S, Yazdani R, Rezaei N, Abolhassani H. "**Autoimmune versus Non-autoimmune Cutaneous Features in Monogenic Patients with Inborn Errors of Immunity**" *Biology (Basel).* 2023 Apr 24;12(5):644. doi: 10.3390/biology12050644.

Zuo F, Sun R, Abolhassani H, Du L, Wang Y, Vlachiots S, Bertoglio F, Schubert M, Rezaei N, **Chavoshzadeh Z**, Guerra C, Cavalli A, Andréll J, Kumagai-Braesch M, Xue Y, Cao Y, Hust M, Robbiani DF, Xie XS, Hammarström L, Marcotte H, Pan-Hammarström Q. "**Heterologous inactivated virus/mRNA vaccination response to BF.7, BQ.1.1, and XBB.1** , *Lancet Reg Health West Pac.* 2023 Apr;33:100762. doi: 10.1016/j.lanwpc.2023.100762.

Golchehre Z, Sharafian S, Momtazmanesh N, **Chavoshzadeh Z**, Karimi A, Abolhassani H, Kazemi Aghdam M, Vahidshahi K, Hashemimoghaddam S, Kosari F, Khafafpour Z, Shamsian BS, Keramatipour M. " **New Presentation of CD27 Deficiency; Coronary Ectasia and COVID-19**" Iran J Allergy Asthma Immunol. 2023 Feb 20;22(1):110-118.

Nguyen T, Lau A, Bier J, Cooke KC, Lenthall H, Ruiz-Diaz S, Avery DT, Brigden H, Zahra D, Sewell WA, Droney L, Okada S, Asano T, Abolhassani H, **Chavoshzadeh Z**, Abraham RS, Rajapakse N, Klee EW, Church JA, Williams A, Wong M, Burkhart C, Uzel G, Croucher DR, James DE, Ma CS, Brink R, Tangye SG, Deenick EK. " **Human PIK3R1 mutations disrupt lymphocyte differentiation to cause activated PI3K $\delta$  syndrome 2** " J Exp Med. 2023 Jun 5;220(6):e20221020. doi: 10.1084/jem.20221020. Epub 2023 Mar 21. PMID: 36943234

Shamsian BS, Paksaz A, **Chavoshzadeh Z**, Sharafian S, Tabatabaee Yazdi SM, Jamee M. " **Successful Hematopoietic Stem Cell Transplant in a Patient with Omenn Syndrome: A Case Report** " Exp Clin Transplant. 2023 Feb;21(2):189-193.

Ghadimi S, Jamee M, Abolhassani H, Parvaneh N, Rezaei N, Delavari S, Sadeghi-Shabestari M, Tabatabaee SR, Fahimzad A, Armin S, **Chavoshzadeh Z**, Sharafian S. " **Demographic, clinical, immunological, and molecular features of iranian national cohort of patients with defect in DCLRE1C gene** " Allergy Asthma Clin Immunol. 2023 Feb 21;19(1):13.

zizi G, Hesari MF, Sharifinejad N, Fayyaz F, **Chavoshzadeh Z**, Mahdavian SA, Alan MS, Jamee M, Tavakol M, Sadri H, Shahrestanaki E, Nabavi M, Ebrahimi SS, Shirkani A, Vosughi Motlagh A, Delavari S, Rasouli SE, Esmaeili M, Salami F, Yazdani R, Rezaei N, Abolhassani H. " **The Autoimmune Manifestations in Patients with Genetic Defects in the B Cell Development and Differentiation Stages** " J Clin Immunol. 2023 May;43(4):819-834

Philippot Q, Ogishi M, Bohlen J, Puchan J, Arias AA, Nguyen T, Martin-Fernandez M, Conil C, Rinchai D, Momenilandi M, Mahdavian SA, Keramatipour M, Rosain J, Yang R, Khan T, Neehus AL, Materna M, Han JE, Peel J, Mele F, Weisshaar M, Jovic S, Bastard P, Lévy R, Le Voyer T, Zhang P, Maglorius Renkilaraj MRL, Arango-Franco CA, Pelham S, Seeleuthner Y, Pochon M, Ata MMA, Al Ali F, Migaud M, Soudée C, Kochetkov T, Molitor A, Carapito R, Bahram S, Boisson B, Fieschi C, Mansouri D, Marr N, Okada S, Shahrooei M, Parvaneh N, **Chavoshzadeh Z**, Cobat A, Bogunovic D, Abel L, Tangye SG, Ma CS, Béziat V, Sallusto F, Boisson-Dupuis S, Bustamante J, Casanova JL, Puel A. " **Human IL-23 is essential for IFN- $\gamma$ -dependent immunity to mycobacteria** " Sci Immunol. 2023 Feb 17;8(80):eabq5204.

Fallahi M, Jamee M, Enayat J, Abdollahimajd F, Mesdaghi M, Khoddami M, Segarra-Roca A, Frohne A, Dmytrus J, Keramatipour M, Mansouri M, Eslamian G, Fallah S, Boztug K, **Chavoshzadeh Z.** “ **Novel PGM3 mutation in two siblings with combined immunodeficiency and childhood bullous pemphigoid: a case report and review of the literature**

“ *Allergy Asthma Clin Immunol.* 2022 Dec 24;18(1):111.

Sharifinejad N, Azizi G, **Chavoshzadeh Z**, Mahdaviani SA, Alan MS, Tavakol M, Sadri H, Nabavi M, Ebrahimi SS, Shirkani A, Vosughi Motlagh A, Safarirad M, Aghamahdi F, Nazari F, Delavari S, Jamee M, Fayyaz F, Samimisedeh P, Matani R, Esmaili M, Yazdani R, Rezaei N, Abolhassani H. “ **Autoimmunity in monogenic combined immune deficiencies with associated or syndromic features** “ *Front Immunol.* 2022 Dec 5;13:1023127

Tavakol M, Delavari S, Salami F, Ansari S, Rasouli SE, **Chavoshzadeh Z**, Sherkat R, Ahanchian H, Aleyasin S, Esmailzadeh H, Moazzen N, Shafiei A, Abolnezhadian F, Iranparast S, Ebrahimi SS, Moeini Shad T, Pashangzadeh S, Nazari F, Rezaei A, Saeedi-Boroujeni A, Nabavi M, Arshi S, Fallahpour M, Bemanian MH, Sharafian S, Shokri S, Eshaghi S, Nazari S, Shamsian BS, Dargahi Mal-Amir M, Khazaei R, Ashkevari P, Khavandegar A, Haghi S, Esmaili M, Abolhassani H, Rezaei N . “ **Diversity of malignancies in patients with different types of inborn errors of immunity”** *Allergy Asthma Clin Immunol.* 2022 Dec 12;18(1):106

Pournasiri Z, Madani A, Nazarpack F, Sayer JA, **Chavoshzadeh Z**, Nili F, Tran P, Saba JD, Jamee M. “ **Sphingosine phosphate lyase insufficiency syndrome: a systematic review** “ *World J Pediatr.* 2023 May;19(5):425-437

Baris S, Abolhassani H, Massaad MJ, Al-Nesf M, **Chavoshzadeh Z**, Keles S, Reisli I, Tahiat A, Shendi HM, Elaziz DA, Belaid B, Al Dhaheri F, Haskologlu S, Dogu F, Ben-Mustapha I, Sobh A, Galal N, Meshaal S, Elhawary R, El-Marsafy A, Alroqi FJ, Al-Saud B, Al-Ahmad M, Al Farsi T, Al Sukaiti N, Al-Tamemi S, Mehawej C, Dbaibo G, ElGhazali G, Kilic SS, Genel F, Kiykim A, Musabak U, Artac H, Guner SN, Boukari R, Djidjik R, Kechout N, Cagdas D, El-Sayed ZA, Karakoc-Aydiner E, Alzyoud R, Barbouche MR, Adeli M, Wakim RH, Reda SM, Ikinciogullari A, Ozen A, Bousfiha A, Al-Mousa H, Rezaei N, Al-Herz W, Geha RS “**The Middle East and North Africa Diagnosis and Management Guidelines for Inborn Errors of Immunity**” . *J Allergy Clin Immunol Pract.* 2023 Jan;11(1):158-180.e11.

Jamee M, Azizi G, Baris S, Karakoc-Aydiner E, Ozen A, Kiliç SŞ, Kose H, **Chavoshzadeh Z**, Mahdavian SA, Momen T, Shamsian BS, Fallahi M, Sharafian S, Gülez N, Aygun A, Karaca NE, Kutukculer N, Al Sukait N, Al Farsi T, Al-Tamemi S, Khalifa N, Shereen R, El-Ghoneimy D, El-Owaidy R, Radwan N, Alzyoud R, Barbouche MR, Ben-Mustapha I, Mekki N, Rais A, Boukari R, Belbouab R, Djenouhat K, Tahiat A, Touri S, Elghazali G, Al-Hammadi S, Shendi HM, Alkuwaiti A, Belaid B, Djidjik R, Artac H, Adeli M, Sobh A, Elnagdy MH, Bahgat SA, Nasrullayeva G, Chou J, Rezaei N, Al-Herz W, Geha RS, Abolhassani H; MENA-I. E. I. Study Group . “ **Clinical, immunological, molecular and therapeutic findings in monogenic immune dysregulation diseases: Middle East and North Africa registry**” .*Clin Immunol.* 2022 Nov;244:109131. doi: 10.1016

Tran P, Jamee M, Pournasiri Z, **Chavoshzadeh Z**, Sullivan KE. “ **SGPL1 Deficiency: Nephrotic Syndrome with Lymphopenia**” ,*J Clin Immunol.* 2023 Jan;43(1):72-75. doi: 10.1007/s10875-022-01348-9.

Jamee M, Khakbazan Fard N, Fallah S, Golchehre Z, Fallahi M, Shamsian BS, Sharafian S, **Chavoshzadeh Z**. “ **Cernunnos defect in an Iranian patient with T<sup>-</sup> B<sup>+</sup> NK<sup>+</sup> severe combined immunodeficiency: A case report and review of the literature**” *Mol Genet Genomic Med.* 2022 Aug;10(8):e

Fanglei Zuo<sup>#1</sup>, Hassan Abolhassani<sup>#1</sup>, Likun Du<sup>#1</sup>, Antonio Piralla<sup>#2</sup>, Federico Bertoglio<sup>3</sup>, Leire de Campos-Mata<sup>1</sup>, Hui Wan<sup>1</sup>, Maren Schubert<sup>3</sup>, Irene Cassaniti<sup>2</sup>, Yating Wang<sup>1</sup>, Josè Camilla Sammartino<sup>2</sup>, Rui Sun<sup>1</sup>, Stelios Vlachiotis<sup>1</sup>, Federica Bergami<sup>2</sup>, Makiko Kumagai-Braesch<sup>4</sup>, Juni Andréll<sup>5</sup>, Zhaoxia Zhang<sup>6</sup>, Yintong Xue<sup>2</sup>, Esther Veronika Wenzel<sup>3, 8</sup>, Luigi Calzolari<sup>9</sup>, Luca Varani<sup>10</sup>, Nima Rezaei<sup>11</sup>, **Zahra Chavoshzadeh**<sup>12</sup>, Fausto Baldanti<sup>2, 13</sup>, Michael Hust<sup>3</sup>, Lennart Hammarström<sup>1</sup>, Harold Marcotte<sup>1</sup>, Qiang Pan-Hammarström<sup>14</sup>. “ **Heterologous immunization with inactivated vaccine followed by mRNA-booster elicits strong immunity against SARS-CoV-2 Omicron variant**”. *Nat Commun*, 2022 May 13;13(1):2670. doi: 10.1038/s41467-022-30340-5.



Mitra Khalili<sup>1</sup>, Hossein Farzi<sup>2</sup>, Sepideh Darougar<sup>3</sup>, Fatemeh Hajijoo<sup>4</sup>, Mehrnaz Mesdaghi<sup>5</sup>, Mahboubeh Mansouri<sup>6</sup>, Delara Babaie<sup>7</sup>, Amir Hashemitari<sup>8</sup>, Narges Eslami<sup>9</sup>, **Zahra Chavoshzadeh**<sup>10</sup>. “ **Pulmonary Radiological Manifestations of Humoral and Combined Immunodeficiencies in a Tertiary Pediatric Center**. Iran J Allergy Asthma Immunol. DOI: [10.18502/ijaai.v20i6.8020](https://doi.org/10.18502/ijaai.v20i6.8020)

S E Rasouli<sup>1</sup>, M Tavakol<sup>1,2</sup>, H Sadri<sup>1,2</sup>, **Z Chavoshzadeh**<sup>3</sup>, S Alireza Mahdavian<sup>4</sup>, S Delavari<sup>5</sup>, M Jamee<sup>6</sup>, A Kalantari<sup>7</sup>, M Seifi Alan<sup>8</sup>, F Aghamahdi<sup>1,2</sup>, H Abolhassani<sup>5,9</sup>, R Yazdani<sup>5</sup>, N Rezaei<sup>5,10</sup>, G Azizi. “ **The spectrum of inborn errors of immunity: a single tertiary center retrospective study in Alborz, Iran**” .Eur Ann Allergy Clin Immunol. 2021 Dec 17. doi: [10.23822/EurAnnACI.1764-1489.239](https://doi.org/10.23822/EurAnnACI.1764-1489.239)

Heidarzadeh Arani M, Ramezanali Yakhchali A, Gharagozlou M, Darougar S, **Chavoshzadeh Z**, Jamee M, Motedayyen H. “ **Rare clinical presentations of hyper-IgE syndrome in a patient with dental abnormalities: A case report**” . Clin Case Rep. 2021 Aug 23;9(8):e04692. doi: [10.1002/ccr3.4692](https://doi.org/10.1002/ccr3.4692).

Esmailzadeh H, Askarisarvestani A, Hosseini N, Samimi S, Shafiei A, Mahdavian SA, Eslami N, **Chavoshzadeh Z**, Fallahi M, Khakbazanfard N, Shabestari MS, Aleyasin S, Nabavizadeh SH, Cheraghi T, Kalantari A, Ahmadiafshar A, Safari M, Eslamian MH, Molatefi R, Shirkani A, Heidarzadeh Arani M, Tavakol M, Bemanian MH, Arshi S, Nabavi M, Shokri S, Shahhosseini B, Mortazavi N, Nakhaei P, Nazari F, Fallahpour M, Ahanchian H, Moazzen N, Khoshkhui M, Motlagh AV, Aghamohammadi A, Abolhassani H, Yazdani R, Rezaei N. “ **Adverse reactions in a large cohort of patients with inborn errors of immunity receiving intravenous immunoglobulin**” . Clin Immunol. 2021 Sep;230:108826. doi: [10.1016/j.clim.2021.108826](https://doi.org/10.1016/j.clim.2021.108826). Epub 2021 Aug 19. PMID: 34418548

Frede N, Rojas-Restrepo J, Caballero Garcia de Oteyza A, Buchta M, Hübscher K, Gámez-Díaz L, Proietti M, Saghafi S, **Chavoshzadeh Z**, Soler-Palacin P, Galal N, Adeli M, Aldave-Becerra JC, Al-Ddafari MS, Ardenyz Ö, Atkinson TP, Kut FB, Çelmeli F, Rees H, Kilic SS, Kirovski I, Klein C, Kobbe R, Korganow AS, Lilic D, Lunt P, Makwana N, Metin A, Özgür TT, Karakas AA, Seneviratne S, Sherkat R, Sousa AB, Unal E, Patiroglu T, Wahn V, von Bernuth H, Whiteford M, Doffinger R, Jouhadi Z, Grimbacher B. “ **Genetic Analysis of a Cohort of 275 Patients with Hyper-IgE Syndromes and/or Chronic Mucocutaneous Candidiasis**” J Clin Immunol 2021 Nov;41(8):1804-1838. doi: [10.1007/s10875-021-01086-4](https://doi.org/10.1007/s10875-021-01086-4). Epub 2021 Aug 14. PMID: 34390440

Ghaini M, Jamee M, Mahdavian SA, Mesdaghi M, Eskandarzadeh S, Rae W, Eslami N, Eslamian G, Mansouri M, Babaei D, Enayat J, Emami H, Doustkhah S, Hosseini Abajalou M, Rekabi M, **Chavoshzadeh Z**. **The Prevalence of Atopic Manifestations in 313**

**Iranian Patients with Inborn Errors of Immunity.** *Int Arch Allergy Immunol.* 2021 May 31:1-5. doi: 10.1159/000516596. Epub ahead of print. PMID: 34058734.

Aghamohammadi A, Rezaei N, Yazdani R, Delavari S, Kutukculer N, Topyildiz E, Ozen A, Baris S, Karakoc-Aydiner E, Kilic SS, Kose H, Gulez N, Genel F, Reisli I, Djenouhat K, Tahiat A, Boukari R, Ladj S, Belbouab R, Ferhani Y, Belaid B, Djidjik R, Kechout N, Attal N, Saidani K, Barbouche R, Bousfiha A, Sobh A, Rizk R, Elnagdy MH, Al-Ahmed M, Al-Tamemi S, Nasrullayeva G, Adeli M, Al-Nesf M, Hassen A, Mehawej C, Irani C, Megarbane A, Quinn J; MENA-I. E. I. Study Group, Maródi L, Modell V, Modell F, Al-Herz W, Geha RS, Abolhassani H. “ **Consensus Middle East and North Africa Registry on Inborn Errors of Immunity**” . *J Clin Immunol.* 2021 May 29. doi: 10.1007/s10875-021-01053-z. Epub ahead of print. PMID: 34052995.

Hafezi N, Zaki-Dizaji M, Nirouei M, Asadi G, Sharifinejad N, Jamee M, Erfan Rasouli S, Hamedifar H, Sabzevari A, **Chavoshzadeh Z**, Yazdani R, Abolhassani H, Aghamohammadi A, Azizi G. “ **Clinical, immunological, and genetic features in 780 patients with autoimmune lymphoproliferative syndrome (ALPS) and ALPS-like diseases: A systematic review.** *Pediatr Allergy Immunol.* 2021 May 8. doi: 10.1111/pai.13535. Epub ahead of print. PMID: 33963613.

Azizi G, Tavakol M, Yazdani R, Delavari S, Moeini Shad T, Rasouli SE, Jamee M, Pashangzadeh S, Kalantari A, Shariat M, Shafiei A, Mohammadi J, Hassanpour G, **Chavoshzadeh Z**, Mahdavian SA, Momen T, Behniafard N, Nabavi M, Bermanian MH, Arshi S, Molatefi R, Sherkat R, Shirkani A, Alyasin S, Jabbari-Azad F, Ghaffari J, Mesdaghi M, Ahanchian H, Khoshkhui M, Eslamian MH, Cheraghi T, Dabbaghzadeh A, Nasiri Kalmarzi R, Esmaeilzadeh H, Tafaroji J, Khalili A, Sadeghi-Shabestari M, Darougar S, Moghtaderi M, Ahmadiafshar A, Shakerian B, Heidarzadeh M, Ghalebarghi B, Fathi SM, Darabi B, Fallahpour M, Mohsenzadeh A, Ebrahimi S, Sharafian S, Vosughimotlagh A, Tafakoridelbari M, Rahimi Haji-Abadi M, Ashournia P, Razaghian A, Rezaei A, Salami F, Shirmast P, Bazargan N, Mamishi S, Khazaei HA, Negahdari B, Shokri S, Nabavizadeh SH, Bazregari S, Ghasemi R, Bayat S, Eshaghi H, Rezaei N, Abolhassani H, Aghamohammadi A. “ **Autoimmune manifestations among 461 patients with monogenic inborn errors of immunity**” . *Pediatr Allergy Immunol.* 2021 Mar 27. doi: 10.1111/pai.13510. Epub ahead of print. PMID: 33774840.

Jamee M, Alaei MR, Mesdaghi M, Noorian S, Moosavian M, Dolatshahi E, Taghavi Kojidi H, **Chavoshzadeh Z**, Fallahi M, Parviz S, Aghamahdi F, Azizi G. “**The Prevalence of Selective and Partial Immunoglobulin A Deficiency in Patients with Autoimmune Polyendocrinopathy.**” *Immunol Invest.* 2021 Jan 12:1-9. doi: 10.1080/08820139.2021.1872615. Epub ahead of print. PMID: 33432864.

Fekrvand S, Delavari S, **Chavoshzadeh Z**, Sherkat R, Mahdavian SA, Sadeghi Shabestari M, Azizi G, Arzanian MT, Shahin Shamsian B, Eskandarzadeh S, Eslami N, Rae W, Condino-Neto A, Mohammadi J, Abolhassani H, Yazdani R, Aghamohammadi A. “**The First Iranian Cohort of Pediatric Patients with Activated Phosphoinositide 3-**

**Kinase- $\delta$  (PI3K $\delta$ ) Syndrome (APDS)”**. Immunol Invest. 2021 Jan 6:1-16. doi: 10.1080/08820139.2020.1863982. Epub ahead of print. PMID: 33401995.

Naseri V, **Chavoshzadeh Z**, Mizani A, Daneshfard B, Ghaffari F, Abbas-Mohammadi M, Gachkar L, Kamalinejad M, Jafari Hajati R, Bahaeddin Z, Faghihzadeh S, Naseri M. **“Effect of topical marshmallow (*Althaea officinalis*) on atopic dermatitis in children: A pilot double-blind active-controlled clinical trial of an in-silico-analyzed phytomedicine”** . Phytother Res. 2021 Mar;35(3):1389-1398. doi: 10.1002/ptr.6899. Epub 2020 Oct 9. PMID: 33034099.

Abolhassani H, Azizi G, Sharifi L, Yazdani R, Mohsenzadegan M, Delavari S, Sohani M, Shirmast P, **Chavoshzadeh Z**, Mahdaviani SA, Kalantari A, Tavakol M, Jabbari-Azad F, Ahanchian H, Momen T, Sherkat R, Sadeghi-Shabestari M, Aleyasin S, Esmaeilzadeh H, Al-Herz W, Bousfiha AA, Condino-Neto A, Seppänen M, Sullivan KE, Hammarström L, Modell V, Modell F, Quinn J, Orange JS, Aghamohammadi A. **“ Global systematic review of primary immunodeficiency registries”** . Expert Rev Clin Immunol. 2020 Jul;16(7):717-732. doi: 10.1080/1744666X.2020.1801422. PMID: 32720819.

Rahmani F, Rayzan E, Rahmani MR, Shahkarami S, Zoghi S, Rezaei A, Aryan Z, Najafi M, Rohlf M, Jeske T, Aflatoonian M, **Chavoshzadeh Z**, Farahmand F, Motamed F, Rohani P, Alimadadi H, Mahdaviani A, Mansouri M, Tavakol M, Vanderberg M, Kotlarz D, Klein C, Rezaei N. **“ Clinical and Mutation Description of the First Iranian Cohort of Infantile Inflammatory Bowel Disease: The Iranian Primary Immunodeficiency Registry (IPI DR)”** . Immunol Invest. 2021 May;50(4):445-459. doi: 10.1080/08820139.2020.1776725. Epub 2020 Jul 7. PMID: 32633164.

Asgardoon MH, Azizi G, Yazdani R, Sohani M, Pashangzadeh S, Kalantari A, Shariat M, Shafiei A, Salami F, Jamee M, Rasouli SE, Mohammadi J, Hassanpour G, Tavakol M, **Chavoshzadeh Z**, Mahdaviani SA, Momen T, Behniafard N, Nabavi M, Bermanian MH, Arshi S, Molatefi R, Sherkat R, Shirkani A, Alyasin S, Jabbari-Azad F, Ghaffari J, Mesdaghi M, Ahanchian H, Khoshkhui M, Eslamian MH, Cheraghi T, Dabbaghzadeh A, Nasiri Kalmarzi R, Esmaeilzadeh H, Tafaroji J, Khalili A, Sadeghi-Shabestari M, Darougar S, Moghtaderi M, Ahmadiafshar A, Shakerian B, Heidarzadeh M, Ghalebarghi B, Fathi SM, Darabi B, Fallahpour M, Mohsenzadeh A, Ebrahimi S, Sharafian S, Vosughimotlagh A, Tafakoridelbari M, Rahimi Haji-Abadi M, Ashournia P, Razaghian A, Rezaei A, Delavari S, Shirmast P, Babaha F, Samavat A, Mamishi S, Khazaei HA, Negahdari B, Rezaei N, Abolhassani H, Aghamohammadi A. **“Monogenic Primary Immunodeficiency Disorder Associated with Common Variable Immunodeficiency and Autoimmunity”** . Int Arch Allergy Immunol. 2020;181(9):706-714. doi: 10.1159/000508817. Epub 2020 Jul 2. PMID: 32615565.

Javadi Parvaneh V, Ghasemi L, Rahmani K, Shiari R, Mesdaghi M, **Chavoshzadeh Z**, Tonekaboni SH. **“ Recurrent angioedema, Guillain-Barré, and myelitis in a girl**

**with systemic lupus erythematosus and CD59 deficiency syndrome”** . Auto Immun Highlights. 2020 Jun 29;11(1):9. doi: 10.1186/s13317-020-00132-2. PMID: 32612799; PMCID: PMC7322911.

Mahdavian SA, Mansouri D, Jamee M, Zaki-Dizaji M, Aghdam KR, Mortaz E, Khorasanizadeh M, Eskian M, Movahedi M, Ghaffaripour H, Baghaie N, Hassanzad M, **Chavoshzadeh Z**, Mansouri M, Mesdaghi M, Ghaini M, Noori F, Eskandarzadeh S, Kahkooi S, Poorabdolah M, Tabarsi P, Moniri A, Farnia P, Karimi A, Boisson- Dupuis S, Rezaei N, Marjani M, Casanova JL, Bustamante J, Velayati AA. “ **Mendelian Susceptibility to Mycobacterial Disease (MSMD): Clinical and Genetic Features of 32 Iranian Patients**” . J Clin Immunol. 2020 Aug;40(6):872-882. doi: 10.1007/s10875-020-00813-7. Epub 2020 Jun 30. PMID: 32602053.

Ghaini M, Arzanian MT, Shamsian BS, Sadr S, Rohani P, Keramatipour M, Mesdaghi M, Eskandarzadeh S, Lo B, Jamee M, **Chavoshzadeh Z**. “ **Identifying Novel Mutations in Iranian Patients with LPS-responsive Beige-like Anchor Protein (LRBA) Deficiency**” . Immunol Invest. 2021 May;50(4):399-405. doi: 10.1080/08820139.2020.1770784. Epub 2020 Jun 1. PMID: 32476511.

Tesch VK, Abolhassani H, Shadur B, Zobel J, Mareika Y, Sharapova S, Karakoc- Aydiner E, Rivière JG, Garcia-Prat M, Moes N, Haerynck F, Gonzales-Granado LI, Santos Pérez JL, Mukhina A, Shcherbina A, Aghamohammadi A, Hammarström L, Dogu F, Haskologlu S, İkinçioğulları AI, Köstel Bal S, Baris S, Kilic SS, Karaca NE, Kutukculer N, Girschick H, Kolios A, Keles S, Uygun V, Stepensky P, Worth A, van Montfrans JM, Peters AMJ, Meyts I, Adeli M, Marzollo A, Padem N, Khojah AM, **Chavoshzadeh Z**, Avbelj Stefanija M, Bakhtiar S, Florkin B, Meeths M, Gamez L, Grimbacher B, Seppänen MRJ, Lankester A, Gennery AR, Seidel MG; Inborn Errors, Clinical, and Registry Working Parties of the European Society for Blood and Marrow Transplantation and the European Society for Immunodeficiencies. “ **Long- term outcome of LRBA deficiency in 76 patients after various treatment modalities as evaluated by the immune deficiency and dysregulation activity (IDDA) score**” J Allergy Clin Immunol. 2020 May;145(5):1452-1463. doi: 10.1016/j.jaci.2019.12.896. Epub 2019 Dec 27. PMID: 31887391.

Mohammadzadeh A, Akbaroghli S, Aghaei-Moghadam E, Mahdieh N, Badv RS, Jamali P, Kariminejad R, **Chavoshzadeh Z**, Ghasemi Firouzabadi S, Mansour Ghanaie R, Nozari A, Banihashemi S, Hadipour F, Hadipour Z, Kariminejad A, Najmabadi H, Shafeghati Y, Behjati F. “ **Investigation of Chromosomal Abnormalities and Microdeletion/ Microduplication(s) in Fifty Iranian Patients with Multiple Congenital Anomalies.**” Cell J. 2019 Oct;21(3):337-349. doi: 10.22074/cellj.2019.6053. Epub 2019 Jun 15. PMID: 31210441; PMCID: PMC6582423.

Tafakori Delbari M, Cheraghi T, Yazdani R, Fekrvand S, Delavari S, Azizi G, **Chavoshzadeh Z**, Mahdaviani SA, Ahanchian H, Khoshkhui M, Behmanesh F, Aleyasin S, Esmaeilzadeh H, Jabbari-Azad F, Fallahpour M, Zamani M, Madani SP, Moazzami B, Habibi S, Rezaei A, Lotfalikhani A, Movahed M, Shariat M, Kalantari A, Babaei D, Darabi M, Parvaneh N, Rezaei N, Abolhassani H, Aghamohammadi A. “ **Clinical Manifestations, Immunological Characteristics and Genetic Analysis of Patients with Hyper-Immunoglobulin M Syndrome in Iran**”. *Int Arch Allergy Immunol*. 2019;180(1):52-63. doi: 10.1159/000500197. Epub 2019 May 22. PMID: 31117086.

17: Abolhassani H, Kiaee F, Tavakol M, **Chavoshzadeh Z**, Mahdaviani SA, Momen T, Yazdani R, Azizi G, Habibi S, Gharagozlou M, Movahedi M, Hamidieh AA, Behniafard N, Nabavi M, Bemanian MH, Arshi S, Molatefi R, Sherkat R, Shirvani A, Amin R, Aleyasin S, Faridhosseini R, Jabbari-Azad F, Mohammadzadeh I, Ghaffari J, Shafiei A, Kalantari A, Mansouri M, Mesdaghi M, Babaie D, Ahanchian H, Khoshkhui M, Soheili H, Eslamian MH, Cheraghi T, Dabbaghzadeh A, Tavassoli M, Kalmarzi RN, Mortazavi SH, Kashef S, Esmaeilzadeh H, Tafaroji J, Khalili A, Zandieh F, Sadeghi-Shabestari M, Darougar S, Behmanesh F, Akbari H, Zandkarimi M, Abolnezhadian F, Fayezi A, Moghtaderi M, Ahmadiafshar A, Shakerian B, Sajedi V, Taghvaei B, Safari M, Heidarzadeh M, Ghalebzadeh B, Fathi SM, Darabi B, Bazregari S, Bazargan N, Fallahpour M, Khayatizadeh A, Javahertrash N, Bashardoust B, Zamani M, Mohsenzadeh A, Ebrahimi S, Sharafian S, Vosughimotlagh A, Tafakoridelbari M, Rahimi M, Ashournia P, Razaghian A, Rezaei A, Mamishi S, Parvaneh N, Rezaei N, Hammarström L, Aghamohammadi A. “ **Fourth Update on the Iranian National Registry of Primary Immunodeficiencies: Integration of Molecular Diagnosis**” . *J Clin Immunol*. 2018 Oct;38(7):816-832. doi: 10.1007/s10875-018-0556-1. Epub 2018 Oct 9. PMID: 30302726.

18: Yazdani R, Abolhassani H, Kiaee F, Habibi S, Azizi G, Tavakol M, **Chavoshzadeh Z**, Mahdaviani SA, Momen T, Gharagozlou M, Movahedi M, Hamidieh AA, Behniafard N, Nabavi M, Bemanian MH, Arshi S, Molatefi R, Sherkat R, Shirvani A, Amin R, Aleyasin S, Faridhosseini R, Jabbari-Azad F, Mohammadzadeh I, Ghaffari J, Shafiei A, Kalantari A, Mansouri M, Mesdaghi M, Babaie D, Ahanchian H, Khoshkhui M, Soheili H, Eslamian MH, Cheraghi T, Dabbaghzadeh A, Tavassoli M, Kalmarzi RN, Mortazavi SH, Kashef S, Esmaeilzadeh H, Tafaroji J, Khalili A, Zandieh F, Sadeghi-Shabestari M, Darougar S, Behmanesh F, Akbari H, Zandkarimi M, Abolnezhadian F, Fayezi A, Moghtaderi M, Ahmadiafshar A, Shakerian B, Sajedi V, Taghvaei B, Safari M, Heidarzadeh M, Ghalebzadeh B, Fathi SM, Darabi B, Bazregari S, Bazargan N, Fallahpour M, Khayatizadeh A, Javahertrash N, Bashardoust B, Zamani M, Mohsenzadeh A, Ebrahimi S, Sharafian S, Vosughimotlagh A, Tafakoridelbari M, Rahim M, Ashournia P, Razaghian A, Rezaei A, Samavat A, Mamishi S, Khazaei HA, Mohammadi J, Negahdari B, Parvaneh N, Rezaei N, Lougaris V, Giliani S, Plebani A, Ochs HD, Hammarström L, Aghamohammadi A. “ **Comparison of Common Monogenic Defects in a Large Predominantly Antibody Deficiency Cohort**” . *J Allergy Clin Immunol Pract*. 2019 Mar;7(3):864-878.e9. doi: 10.1016/j.jaip.2018.09.004. Epub 2018 Sep 19. Erratum in: *J Allergy Clin Immunol Pract*. 2021 May;9(5):2134. PMID: 30240888

**Chavoshzadeh Z, Hashemitari A, Darougar S. “ Neurological Manifestations of Primary Immunodeficiencies”** . Iran J Child Neurol. 2018 Summer;12(3):7-23. PMID: 30026765; PMCID: PMC6045935.

Fallah S, Mesdaghi M, Mansouri M, Babaei D, Karimi A, Fahimzad SA, Armin S, Rafiei Tabatabaei S, Azma R, Khanbabaee G, Bashardoost B, Amirmoeini M, Sadr S, Jalilianhasanpour R, Ghanaei R, Rezaei N, **Chavoshzadeh Z. “ Severe Combined Immunodeficiency: A Case Series and Review from a Tertiary Pediatric Hospital”** . Iran J Allergy Asthma Immunol. 2018 Apr;17(2):201-207. PMID: 29757593.

Teimourian S, Sazgara F, de Boer M, van Leeuwen K, Roos D, Lashkary S, **Chavoshzadeh Z, Nabavi M, Bemanian MH, Isaian A. “ Characterization of 4 New Mutations in the CYBB Gene in 10 Iranian Families With X-linked Chronic Granulomatous Disease”** . J Pediatr Hematol Oncol. 2018 Jul;40(5):e268-e272. doi: 10.1097/MPH.0000000000001189. PMID: 29702544.

Ivanovski I, Akbaroghli S, Pollazzon M, Gelmini C, Caraffi SG, Mansouri M, Chavoshzadeh Z, Rosato S, Polizzi V, Gargano G, Alders M, Garavelli L, Hennekam RC. **“Van Maldergem syndrome and Hennekam syndrome: Further delineation of allelic phenotypes”** . Am J Med Genet A. 2018 May;176(5):1166-1174. doi: 10.1002/ajmg.a.38652. PMID: 29681106.

Sharifi L, Dashti R, Pourpak Z, Fazlollahi MR, Movahedi M, **Chavoshzadeh Z, Soheili H, Bokaie S, Kazemnejad A, Moin M. “Economic Burden of Pediatric Asthma: Annual Cost of Disease in Iran”** . Iran J Public Health. 2018 Feb;47(2):256-263. PMID: 29445636; PMCID: PMC5810389.

Mansouri M, Rafiee E, Darougar S, Mesdaghi M, **Chavoshzadeh Z. “Is the Atopy Patch Test Reliable in the Evaluation of Food Allergy-Related Atopic Dermatitis? ”** Int Arch Allergy Immunol. 2018;175(1-2):85-90. doi: 10.1159/000485126. Epub 2018 Jan 13. PMID: 29332097.

Abolhassani H, Chou J, Bainter W, Platt CD, Tavassoli M, Momen T, Tavakol M, Eslamian MH, Gharagozlou M, Movahedi M, Ghadami M, Hamidieh AA, Azizi G, Yazdani R, Afarideh M, Ghajar A, Havaei A, **Chavoshzadeh Z, Mahdavian SA, Cheraghi T, Behniafard N, Amin R, Aleyasin S, Faridhosseini R, Jabbari-Azad F, Nabavi M, Bemanian MH, Arshi S, Molatefi R, Sherkat R, Mansouri M, Mesdaghi M, Babaie D, Mohammadzadeh I, Ghaffari J, Shafiei A, Kalantari N, Ahanchian H, Khoshkhui M, Soheili H, Dabbaghzadeh A, Shirvani A, Nasiri Kalmarzi R, Mortazavi SH, Tafaroji J, Khalili A, Mohammadi J, Negahdari B, Joghataei MT, Al-Ramadi BK, Picard C, Parvaneh N, Rezaei N, Chatila TA, Massaad MJ, Keles S, Hammarström L, Geha RS, Aghamohammadi A. “ Clinical, immunologic, and genetic spectrum of 696 patients with combined immunodeficiency”** . J Allergy Clin Immunol. 2018 Apr;141(4):1450-1458. doi: 10.1016/j.jaci.2017.06.049. Epub 2017 Sep 12. PMID: 28916186.

Tonekaboni SH, Jafari N, Mansouri M, Jabbehdari S, Eftekhari R, **Chavoshzadeh Z**, Abdollah Gorji F, Mesdaghi M. **“HLA-B\*1502 in Iranian Children with Anticonvulsant Drugs-Induced Skin Reactions”**. Iran J Child Neurol. 2017 Spring;11(2):26-30. PMID: 28698724; PMCID: PMC5493826.

Azizi G, Abolhassani H, Mahdavian SA, **Chavoshzadeh Z**, Eshghi P, Yazdani R, Kiaee F, Shaghaghi M, Mohammadi J, Rezaei N, Hammarström L, Aghamohammadi A. **“ Clinical, immunologic, molecular analyses and outcomes of iranian patients with LRBA deficiency: A longitudinal study”**. Pediatr Allergy Immunol. 2017 Aug;28(5):478-484. doi: 10.1111/pai.12735. Epub 2017 Jun 19. PMID: 28512785.

Babaie D, Nabavi M, Arshi S, Mesdaghi M, **Chavoshzadeh Z**, Bemanian MH, Tafakori M, Amirmoini M, Esmailzadeh H, Molatefi R, Rekabi M, Akbarpour N, Masoumi F, Fallahpour M. **Cow's Milk Desensitization in Anaphylactic Patients: A New Personalized-dose Method**. Iran J Allergy Asthma Immunol. 2017 Feb;16(1):45-52. PMID: 28417624.

Alizadeh M, Ghasemi Hashtroudi L, **Chavoshzadeh Z**, Rezaei N. **Effect of Air Pollution in Frequency of Hospitalizations in Asthmatic Children**. Acta Med Iran. 2016 Aug;54(8):542-546. PMID: 27701726.

Shaghaghi M, Shahmahmoodi S, Abolhassani H, Soleyman-Jahi S, Parvaneh L, Mahmoudi S, **Chavoshzadeh Z**, Yazdani R, Zahraei SM, Ebrahimi M, Eslamian MH, Tabatabaie H, Yousefi M, Kandelousi YM, Oujaghlo A, Rezaei N, Aghamohammadi A. **Vaccine-Derived Polioviruses and Children with Primary Immunodeficiency, Iran, 1995-2014**. Emerg Infect Dis. 2016 Oct;22(10):1712-9. doi: 10.3201/eid2210.151071. PMID: 27648512; PMCID: PMC5038407.

Karami Z, Mesdaghi M, Karimzadeh P, Mansouri M, Taghdiri MM, Kayhanidoost Z, Jebelli B, Shekarriz Foumani R, Babaie D, **Chavoshzadeh Z**. **Evaluation of Lymphocyte Transformation Test Results in Patients with Delayed Hypersensitivity Reactions following the Use of Anticonvulsant Drugs**. Int Arch Allergy Immunol. 2016;170(3):158-62. doi: 10.1159/000448284. Epub 2016 Aug 25. PMID: 27560351.

Tonekaboni SH, Jafari N, Chavoshzadeh Z, Shamsian BS, Rezaei N. **DRESS Syndrome Presents as Leukoencephalopathy**. Turk J Pediatr. 2015 Sep- Oct;57(5):541-4. PMID: 27411428.

Alkhairy OK, Abolhassani H, Rezaei N, Fang M, Andersen KK, **Chavoshzadeh Z**, Mohammadzadeh I, El-Rajab MA, Massaad M, Chou J, Aghamohammadi A, Geha RS, Hammarström L. **Spectrum of Phenotypes Associated with Mutations in LRBA**. J Clin Immunol. 2016 Jan;36(1):33-45. doi: 10.1007/s10875-015-0224-7. Epub 2015 Dec 28. PMID: 26707784.

Taghizade Mortezaee F, Esmaeli B, Badalzadeh M, Ghadami M, Fazlollahi MR, Alizade Z, Hamidieh AA, **Chavoshzadeh Z**, Movahedi M, Heydarzadeh M, Sadeghi Shabestari M, Tavassoli M, Nabavi M, Nasiri Kalmarzi R, Pourpak Z. **Investigation of ITGB2 gene in 12 new cases of leukocyte adhesion deficiency-type I revealed four novel mutations from Iran.** Arch Iran Med. 2015 Nov;18(11):760-4. PMID: 26497373.

Esmaeli B, Ghadami M, Fazlollahi MR, Niroomanesh S, Atarod L, **Chavoshzadeh Z**, Moradi Z, Alizadeh Z, Pourpak Z. **Prenatal diagnosis of leukocyte adhesion deficiency type-1 (five cases from iran with two new mutations).** Iran J Allergy Asthma Immunol. 2014 Feb;13(1):61-5. PMID: 24338230.

Alizadeh Z, Fazlollahi MR, Houshmand M, Maddah M, **Chavoshzadeh Z**, Hamidieh AA, Shamsian BS, Eshghi P, Bolandghamat Pour S, Sadaaie Jahromi H, Mansouri M, Movahedi M, Nayebpour M, Pourpak Z, Moin M. **Different pattern of gene mutations in Iranian patients with severe congenital neutropenia (including 2 new mutations).** Iran J Allergy Asthma Immunol. 2013 Mar;12(1):86-92. PMID: 23454784.

Sayyahfar S, **Chavoshzadeh Z**, Khaledi M, Madadi F, Yeganeh MH, Sawamura D, Nakano H, Rezaei N. **Congenital insensitivity to pain with anhidrosis presenting with palmoplantar keratoderma.** Pediatr Dermatol. 2013 Nov-Dec;30(6):754-6. doi: 10.1111/j.1525-1470.2012.01833.x. Epub 2012 Sep 7. PMID: 22957891.

Khanbabaee G, Enayat J, **Chavoshzadeh Z**, Tabatabaei SA, Gorji FA, Rezaei N. **Serum level of specific IgG antibody for aspergillus and its association with severity of asthma in asthmatic children.** Acta Microbiol Immunol Hung. 2012 Mar;59(1):43-50. doi: 10.1556/AMicr.59.2012.1.5. PMID: 22510286.

Salehi T, Fazlollahi MR, Maddah M, Nayebpour M, Tabatabaei Yazdi M, Alizadeh Z, Eshghi P, **Chavoshzadeh Z**, Movahedi M, Hamidieh AA, Cheraghi T, Pourpak Z, Moin M. **Prevention and control of infections in patients with severe congenital neutropenia; a follow up study.** Iran J Allergy Asthma Immunol. 2012 Mar;11(1):51-6. PMID: 22427476.

Salehi M, Moradi S, **Chavoshzadeh Z**, Gorji FA, Khoramrooz Z, Rezaei N. **A study of home characteristics in children with allergic rhinitis and asthma.** Acta Clin Croat. 2011 Jun;50(2):225-7. PMID: 22263386.

Fallah S, Tabatabaei A, Pournasir Z, Chavoshzadeh Z, Rezaei N. **Cutaneous cytomegalovirus infection in a child with hyper IgE and specific defects in antibody response to protein vaccines.** Braz J Infect Dis. 2011 Sep- Oct;15(5):484-5. doi: 10.1016/s1413-8670(11)70233-1. PMID: 22230858.



**Chavoshzadeh Z, Golnabi A, Rezaei N, Mehdizadeh M. Laryngeal foreign body aspiration misdiagnosed as asthma: two case reports and a review of the literature.** B-ENT. 2011;7(2):137-40. PMID: 21838100.

Fattahi F, Badalzadeh M, Sedighipour L, Movahedi M, Fazlollahi MR, Mansouri SD, Khotaei GT, Bemanian MH, Behmanesh F, Hamidieh AA, Bazargan N, Mamishi S, Zandieh F, **Chavoshzadeh Z**, Mohammadzadeh I, Mahdavian SA, Tabatabaei SA, Kalantari N, Tajik S, Maddah M, Pourpak Z, Moin M. **Inheritance pattern and clinical aspects of 93 Iranian patients with chronic granulomatous disease.** J Clin Immunol. 2011 Oct;31(5):792-801. doi: 10.1007/s10875-011-9567-x. Epub 2011 Jul 26. PMID: 21789723.

Hamidieh AA, Pourpak Z, Hosseinzadeh M, Fazlollahi MR, Alimoghaddam K, Movahedi M, Hosseini A, Chavoshzadeh Z, Jalili M, Arshi S, Moin M, Ghavamzadeh A. **Reduced-intensity conditioning hematopoietic SCT for pediatric patients with LAD-1: clinical efficacy and importance of chimerism.** Bone Marrow Transplant. 2012 May;47(5):646-50. doi: 10.1038/bmt.2011.140. Epub 2011 Jul 11. PMID: 21743503.

Parvaneh N, Mamishi S, Rezaei A, Rezaei N, Tamizifar B, Parvaneh L, Sherkat R, Ghalehbaghi B, Kashef S, **Chavoshzadeh Z**, Isaeian A, Ashrafi F, Aghamohammadi A. **Characterization of 11 new cases of leukocyte adhesion deficiency type 1 with seven novel mutations in the ITGB2 gene.** J Clin Immunol. 2010 Sep;30(5):756-60. doi: 10.1007/s10875-010-9433-2. Epub 2010 Jun 12. PMID: 20549317.

46: Moradi S, **Chavoshzadeh Z**, Izadyar M, Mahjoub F, Rezaei N. **Angiocentric nasal T-cell lymphoma in a patient with idiopathic CD4+ lymphocytopenia.** Iran J Allergy Asthma Immunol. 2009 Dec;8(4):215-8. PMID: 20404393.

Barzegar S, Rosita A, Pourpak Z, Bemanian MH, Shokouhi R, Mansouri M, Cheraghi T, **Chavoshzadeh Z**, Mohammadzadeh I, Fazlollahi M, Mirsaedghazi B, Nabavi M, Movahedi M, Gharagozlo M, Farahmand F, Moin M. **Common causes of anaphylaxis in children: the first report of anaphylaxis registry in Iran.** World Allergy Organ J. 2010 Jan;3(1):9-13. doi: 10.1097/WOX.0b013e3181c82128. PMID: 23282381; PMCID: PMC3651078.

Isaian A, Bogdanova NV, Houshmand M, Movahadi M, Aghamohammadi A, Rezaei N, Atarod L, Sadeghi-Shabestari M, Tonekaboni SH, **Chavoshzadeh Z**, Hassani SM, Mirfakhrai R, Cheraghi T, Kalantari N, Ataei M, Dork-Bousset T, Sanati MH. **BAK, BAX, and NBK/BIK proapoptotic gene alterations in Iranian patients with ataxia telangiectasia.** J Clin Immunol. 2010 Jan;30(1):132-7. doi: 10.1007/s10875-009-9340-6. Epub 2009 Nov 7. Erratum in: J Clin Immunol. 2010 Jul;30(4):620. Aghamohammadi, Asghar [corrected to Aghamohammadi, Asghar]. PMID: 19898928.

Armin S, **Chavoshzadeh Z**, Mohkam M, Rezaei N. **Antiepileptic hypersensitivity and DRESS syndrome due to phenytoin in two pediatric cases.** Turk J Pediatr. 2009 Jan-Feb;51(1):76-7. PMID: 19378897.

Fahimzad A, **Chavoshzadeh Z**, Abdollahpour H, Klein C, Rezaei N. **Necrosis of nasal cartilage due to mucormycosis in a patient with severe congenital neutropenia due to HAX1 deficiency.** J Investig Allergol Clin Immunol. 2008;18(6):469-72. PMID: 19123440.

Shamsian BS, Mansouri D, Pourpak Z, Rezaei N, **Chavoshzadeh Z**, Jadali F, Gharib A, Alavi S, Eghbali A, Arzanian MT. **Autosomal recessive chronic granulomatous disease, IgA deficiency and refractory autoimmune thrombocytopenia responding to Anti-CD20 monoclonal antibody.** Iran J Allergy Asthma Immunol. 2008 Sep;7(3):181-4. PMID: 18780954.

Rezaei N, **Chavoshzadeh Z**, R Alaei O, Sandrock I, Klein C. **Association of HAX1 deficiency with neurological disorder.** Neuropediatrics. 2007 Oct;38(5):261-3. doi: 10.1055/s-2008-1062704. PMID: 18330843.

Bemaniah MH, Farhoudi A, Pourpak Z, Gharagozlou M, Movahedi M, Nabavi M, Mozafari H, Mohammadzadeh I, **Chavoshzadeh Z**, Shirkhoda Z. **Systemic and local reactions of bee venom immunotherapy in Iran.** Iran J Allergy Asthma Immunol. 2007 Dec;6(4):203-6. PMID: 18094443.

Rezaei N, Moin M, Pourpak Z, Ramyar A, Izadyar M, **Chavoshzadeh Z**, Sherkat R, Aghamohammadi A, Yeganeh M, Mahmoudi M, Mahjoub F, Germeshausen M, Grudzien M, Horwitz MS, Klein C, Farhoudi A. **The clinical, immunohematological, and molecular study of Iranian patients with severe congenital neutropenia.** J Clin Immunol. 2007 Sep;27(5):525-33. doi: 10.1007/s10875-007-9106-y. Epub 2007 Jun 21. PMID: 17587155.

Alavi S, Taghi Arzanian M, **Chavoshzadeh Z**, Esteghamati M. **Autoimmune lymphoproliferative syndrome; a case report.** Iran J Allergy Asthma Immunol. 2005 Sep;4(3):149-52. PMID: 17301439.

Farhoudi A, Razavi A, **Chavoshzadeh Z**, Heidarzadeh M, Bemaniah MH, Nabavi M. **Descriptive study of 226 patients with allergic rhinitis and asthma in karaj city.** Iran J Allergy Asthma Immunol. 2005 Jun;4(2):99-101. PMID: 17301430.

Farhoudi A, **Chavoshzadeh Z**, Mir Saeid Ghazi B, Aghamohammadi A, Gharagozlou M. **Recurrent infections and bilateral uveitis in a patient with CD8 deficiency.** Iran J Allergy Asthma Immunol. 2005 Mar;4(1):43-5. PMID: 17301423.

Rezaei N, Farhodi A, Pourpak Z, Aghamohammadi A, Moin M, Gharagozlou M, Movahedi M, Mirsaeid Ghazi B, Atarod L, Mahmoudi M, Ahmadi Afshar A, Bazargan N, Isaeian A, Nabavi M, **Chavoshzadeh Z**, Heydarzadeh M, Bemanian MH, Fazlollahi MR. **Neutropenia in patients with primary antibody deficiency disorders**. Iran J Allergy Asthma Immunol. 2004 Jun;3(2):77-81. PMID: 17301396.

Farhodi A, **Chavoshzadeh Z**, Pourpak Z, Izadyar M, Gharagozlou M, Movahedi M, Aghamohammadi A, Mirsaeid Ghazi B, Moin M, Rezaei N. **Report of six cases of chediak-higashi syndrome with regard to clinical and laboratory findings**. Iran J Allergy Asthma Immunol. 2003 Dec;2(4):189-92. PMID: 17301379.

Movahedi M, Entezari N, Pourpak Z, Mamishi S, **Chavoshzadeh Z**, Gharagozlou M, Mir-Saeid-Ghazi B, Fazlollahi MR, Zandieh F, Bemanian MH, Farhodi A, Aghamohammadi A. **Clinical and laboratory findings in Iranian patients with leukocyte adhesion deficiency (study of 15 cases)**. J Clin Immunol. 2007 May;27(3):302-7. doi: 10.1007/s10875-006-9069-4. Epub 2007 Feb 10. Erratum in: J Clin Immunol. 2008 Jan;28(1):92. Aghamohammadi, Asghar [added]. PMID: 17294145.

Gharagozlou M, Ebrahimi FA, Farhodi A, Aghamohammadi A, Bemanian MH, **Chavoshzadeh Z**, Heidarzadeh M, Mehdizadeh M, Moin M, Movahedi M, Nabavi M, Pourpak Z, Rezaei N. **Pulmonary complications in primary hypogammaglobulinemia: a survey by high resolution CT scan**. Monaldi Arch Chest Dis. 2006 Jun;65(2):69-74. doi: 10.4081/monaldi.2006.567. PMID: 16913576.

Pourpak Z, Aghamohammadi A, Sedighipour L, Farhodi A, Movahedi M, Gharagozlou M, **Chavoshzadeh Z**, Jadid L, Rezaei N, Moin M. **Effect of regular intravenous immunoglobulin therapy on prevention of pneumonia in patients with common variable immunodeficiency**. J Microbiol Immunol Infect. 2006 Apr;39(2):114-20. PMID: 16604243.

