



Maryam Behfar M.D

I. Personal Data

Birth date: 1976/09/20
Hometown: Babol
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Current position: Associate professor of Pediatric Hematologist/Oncologist and Stem cell transplantation, Tehran University of Medical Sciences
Deputy of Research, Pediatric Cell and Gene Therapy Research center
Work address: Gene, cell, and tissue institute
Pediatric Cell Therapy Research Center
Pediatric Stem Cell Transplant Department
Children's Medical Center
Qarib St, Keshavarz Blvd, Tehran 14194, Iran

II. Academic Appointments

2022-present Associate Professor
Tehran University of Medical Sciences
Tehran University of Medical Sciences
Pediatric Stem Cell Transplant Department
Children's Medical Center

2019- 2022 Assistant Professor
Tehran University of Medical Sciences
Tehran University of Medical Sciences
Pediatric Stem Cell Transplant Department
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20014- 2019 Assistant Professor
Tehran University of Medical Sciences

III. Education

2015- 2019	Pediatrics hematology & oncology, Fellowship Tehran University of Medical Sciences Tehran, Iran
2006- 2009	Pediatrics, Residency Tehran University of Medical Sciences Tehran, Iran
1994- 2002	M.D. Faculty of Medicine, Fatemieh Qom University of Medical Sciences Qom, Iran

IV. Board Certification

2019	Iranian Board of Pediatric Hematology/Oncology
2002	Iranian Board of Pediatric

V. Memberships

2017-Present	Editorial Board, Hematology/Oncology and Stem Cell Therapy journal (The official journal of Asia-Pacific Blood & Marrow Transplantation)
2016-Present	Reviewer of Pediatric transplantation
2013-Present	Reviewer of Acta Medica Iranica.
2013-Present	Reviewer of The Journal of Tehran University Heart center.
2013-Present	Reviewer of International Journal of Hematology-Oncology and Stem Cell Research.
2010-Present	Member of the Iranian Society of Hematopoietic Stem Cell Transplantation (ISHSCT).

VI. Research Projects (ongoing and finished):

1. The Effects of plerixafor on the amount of CD34+ mobilization in HSCT Eligible Neuroblastoma patients
2. Title : Evaluation of the association between human leukocyte antigen (HLA) and acute lymphoblastic leukemia (ALL) in patients referred to the children medical center from 2015 to 2022

3. Comparison of the outcome of pediatric hematopoietic stem cell transplantation with and without one HLA locus incompatibility from 2015 to 2022 in children medical center
4. The comparison of immune reconstitution after hematopoietic stem cell transplantation between HLA identical sibling and Haploidentical family donor transplant pediatric patients with acute leukemia
5. Frequency of Acute Kidney Injury and comparison of urinary NGAL and serum creatinine in the diagnosis of Acute Kidney injury after hematopoietic stem cell transplantation in Pediatric Medical Center from 2022 to 2023
6. Comparison of complications and prognosis of allogeneic hematopoietic stem cell transplantation during and before COVID-19 pandemic (September 2016 to March 2017) in Pediatric Medical Center Hospital
7. Efficacy evaluation of photopheresis by cryopreservation in steroid-resistant graft versus host disease in pediatric patients
8. Survival and incidence of GVHD in children receiving T globulin 25 as an immunosuppressant during hematopoietic stem cell transplantation
9. Construction of the cord blood allogeneic platelet gummi candy and investigation its effect on the Oral cavity resistant GVHD wounds: A pilot clinical study
10. Safety assessment of the CD19 CAR T cell on the B cell acute lymphoblastic leukemia in pediatric patients
11. Determination of the safety of mesenchymal allogeneic stem cells in cystic fibrosis patients
12. Determining optimum operating conditions of rotational blood component separator
13. Iranian Fanconi Anemia Registration
14. Evaluation of Safety and Effectiveness of Allogeneic Adipose Derived Mesenchymal Stem Cells in Bronchiolitis Obliterans Syndrome (BOS) after Allogeneic Hematopoietic Stem Cell Transplantation
15. Safety and Effectiveness evaluation of Allogeneic Cord Blood Platelet Gel (CBPG) for the treatment of nonhealing skin ulcers/erosion due to the cutaneous chronic GVHD: A Randomize Clinical Trial (Pilot study)

16. The safety and efficiency evaluation of allogenic Natural Killer cell therapy in relapsed Neuroblastoma pediatric patients post hematopoietic stem cell transplantation: Phase I clinical study
17. The effect of Peripheral blood NK Cell-activated with Exosomes in a mouse model of wilms tumor
18. Posterior reversible encephalopathy syndrome after hematopoietic stem cell transplantation in pediatrics patients
19. Long-term outcomes of fludarabine, melphalan and antithymocyte globulin as reduced-intensity conditioning regimen for hematopoietic stem cell transplantation in children with primary immunodeficiency disorders
20. Hematopoietic stem cell transplantation among Diamond Blackfan Anemia patients applying Busulfan plus Cyclophosphamide $\pm$ rATG
21. The differentiation of the umbilical cord blood hematopoietic stem cell into Natural Killer cells and the comparison of its effect on the Wilms tumor with peripheral blood NK cells in the preclinical model.
22. Assessment of health in hematopoietic stem cell donors who were under 15 years when they have received rh G-CSF.
23. Evaluation of diagnostic power of uroflowmetry in early diagnosis of hemorrhagic cystitis in patients who undergo hematopoietic stem cell transplantation.
24. Effect of stem cell transplantation on the pituitary-hypothalamus in patients with major thalassemia.
25. Comparison of bone density in hematopoietic stem cell transplanted β -thalassemic patients.
26. Elastography assessment of liver iron overload in patients with thalassemia major after stem-cell transplantation.
27. Evaluation of benefit and side effect of myeloablative regimen for the treatment of malignant Osteopetrosis.
28. Evaluation of benefit and side effect of myeloablative regimen for the treatment of malignant Mucopolysaccharidosis (MPS).
29. MRI T2* assessment of liver and heart iron overload in patients with thalassemia major after stem cell transplantation.

30. Evaluation of benefits and side effects of ¹³¹I-MIBG in combination with myeloablative chemotherapy and autologous bone marrow transplantation for the treatment of high-risk neuroblastoma.
31. Correlation between hematologic findings (CBC & electrophoresis) and genotype in β -thalassemia trait in Iran.

VII. Articles:

1. Hamidieh AA, **Behfar M**, Nejati N, Azar SS, Salmanifard MT, Malik R, Kashani H, Mohseni R, Jafari L. Importance of BCG Vaccination at Birth in Pediatric Patients with Chronic Granulomatous Disease after Hematopoietic Stem Cell Transplantation in Developing Countries. *Immunology Letters*. 2025 Sep 1:107083.
2. Kalantari A, Karimizadeh Z, Jafari L, **Behfar M**, Hamidieh AA. Thrombocytopenia after Hematopoietic Stem Cell Transplantation in Pediatrics and Adults: A Narrative Review Including Etiology, Management, Monitoring, and Novel Therapies. *In Seminars in Thrombosis and Hemostasis* 2025 Aug 19. Thieme Medical Publishers, Inc..
3. Jafari L, Hematyar F, Karamlou Y, Alipour N, Mohseni R, Jafari F, Nikfetrat Z, **Behfar M**, Hamidieh AA. Successful of autologous hematopoietic stem cell mobilization with plerixafor combined with G-CSF in pediatric neuroblastoma patients, a single center experience. *Transfusion and Apheresis Science*. 2025 Feb 1;64(1):104067.
4. Nooshabadi MP, Bishe HA, Ahmadi SA, Eshagh M, **Behfar M**, Jafari L, Hamidieh AA. Evaluating Risk Factors for Lethality in Posterior Reversible Encephalopathy Syndrome following Hematopoietic Stem Cell Transplantation in Pediatric Patients: A Systematic Review and Individual Participant Data Meta-analysis. *Neuropediatrics*. 2025 Jun 18.
5. **Behfar M**, Mahdavi Sharif P, Hamidieh AA. The Tale of Pediatric Hematopoietic Stem Cell Transplantation in Iran: An Uphill Battle. *J Pediatr Hematol Oncol*. 2025 May 8. doi: 10.1097/MPH.0000000000003050. Epub ahead of print. PMID: 40341542
6. Fathi P, Jafari L, Fathi A, Ahmadi A, Karamlou Y, **Behfar M**, Hamidieh AA. Hematopoietic Stem Cell Transplantation Outcomes in Diamond-Blackfan Anemia Patients Based on Myeloablative Conditioning Regimen with or Without Total Body Irradiation: A Systematic Review and Meta-Analysis. *EJHaem*. 2025 May 8;6(3): e70043. doi: 10.1002/jha2.70043.
7. Jafari L, Hematyar F, Karamlou Y, Alipour N, Mohseni R, Jafari F, Nikfetrat Z, **Behfar M**, Hamidieh AA. Successful of autologous hematopoietic stem cell mobilization with plerixafor combined with G-CSF in pediatric neuroblastoma patients, a single-center experience. *Transfus Apher Sci*. 2025 Feb;64(1):104067. doi: 10.1016/j.transci.2025.104067.

8. Hamidieh AA, Delkhah MM, Jafari L, Mohseni R, Farokhmanesh S, **Behfar***. Fludarabine Based Reduced-Intensity Conditioning Allogenic Stem Cell Transplantation for CGD Pediatric Patients: Clinical Efficacy and Importance of Chimerism. *Transplantation and Cellular Therapy*. 2025 Feb 1;31(2):S321.
9. Fekrvand S, Yazdani R, Abdolazade S, Ashournia P, Askarisarvestani A, Bahrami S, **Behfar M**, Daneshmandi Z, Cheraghi T, Darougar S, Ebrahimi S. National Consensus Guideline on Diagnosis and Management of Congenital Neutropenias. *Immunology and Genetics Journal*. 2025 Mar 15.
10. Delavari S, Yazdani R, Abolhassani H, Salami F, Ashournia P, Askarisarvestani A, Bahrami S, **Behfar M**, Bemanian MH, Cheraghi T, Darabi K. National Consensus Guideline on Diagnosis and Management of Chronic Granulomatous Disease. *Immunology and Genetics Journal*. 2025 Mar 15.
11. Sohoul M, Zahmatkesh A, Khan Z, **Behfar M**, Hamidieh AA, Rohani P. Gut microbiota variation and diversity and gut graft-versus-host disease (GVHD) in pediatrics: A systematic review. *Transpl Immunol*. 2025 Mar; 89:102199. doi: 10.1016/j.trim.2025.102199.
12. Buso H, Adam E, Arkwright PD, Bhattad S, Hamidieh AA, **Behfar M**, Belot A, Benezech S, Chan AY, Crow YJ, Dvorak CC. Hematopoietic stem cell transplantation for C1q deficiency: a study on behalf of the EBMT Inborn Errors Working Party. *Journal of Clinical Immunology*. 2025 ;45(1):1-5.
13. Eshghi S, Mousakhan Bakhtiari M, **Behfar M**, Izadi E, Naji P, Jafari L, Mohseni R, Saltanatpour Z, Hamidieh AA. Viral-based gene therapy clinical trials for immune deficiencies and blood disorders from 2013 until 2023 - an overview. *Regen Ther*. 2024 Dec 31; 28:262-279. Doi:10.1016/j.reth.2024.12.007.
14. Iida M, Ho A, Huang XJ, Liu K, Lv M, Huang H, Kuwatsuka Y, Moon JH, Choi YS, Lee JW, Khattry N, M Lakshmi K, Wilcox L, Hamidieh AA, **Behfar M**, et al; Registry Committee of the Asia-Pacific Blood and Marrow Transplantation Group (APBMT). Impact of the COVID-19 outbreak on the field of hematopoietic cell transplantation in the Asia-Pacific region: APBMT Activity Survey 2020/2021. *Blood Cell Ther*. 2024 Nov 25;7(4):129-137. Doi: 10.31547/bct-2024-020. PMID: 39651061; PMCID: PMC11620985.
15. Buso H, Adam E, Arkwright PD, Bhattad S, Hamidieh AA, **Behfar M**, et al. Hematopoietic Stem Cell Transplantation for C1q Deficiency: A Study on Behalf of the EBMT Inborn Errors Working Party. *J Clin Immunol*. 2024 Oct 29;45(1):35. doi: 10.1007/s10875-024-01819-1. PMID: 39470951; PMCID: PMC11522153.
16. Mohseni R, Mahdavi Sharif P, **Behfar M**, Shojaei S, Shoaie-Hassani A, Jafari L, Khosravi A, Nikfetrat Z, Hamidieh AA. Phase I study of safety and efficacy of allogeneic natural killer cell therapy in relapsed/refractory neuroblastomas post autologous hematopoietic stem cell transplantation. *Scientific Reports*. 2024 Sep 9;14(1):20971.

17. Manouchehr Abadi, S., **Behfar, M.**, Ahmadvand, M., Hamidieh, A. A. Dyskeratosis congenita future: Hematopoietic stem cell transplantation or gene therapy? Gene Reports. 2024 Aug. <https://doi.org/10.1016/j.genrep.2024.102072>
18. Mohseni R, MahdaviSharif P, Khosravi A, Taheri A.R, **Behfar M**, Zarrabi M, Jafari L, Jafari F, Nikfetrat Z, Naji P, Hamidieh A.A. The Application of Umbilical Cord Blood-derived Platelet Gel for Skin Ulcers Associated with Chronic Graft-Versus-Host Disease in Pediatrics: A Randomized Trial. Transplantation and Cellular Therapy Available online 24 April 2024, <https://doi.org/10.1016/j.jtct.2024.04.013>.
19. Bayegi SN, Hamidieh AA, **Behfar M**, Saghazadeh A, Bozorgmehr M, Tajik N, Delbandi AA, Delavari S, Shekarabi M, Rezaei N. The reconstitution of T-cells after allogeneic hematopoietic stem cell transplant in a pediatric patient with congenital amegakaryocytic thrombocytopenia (CAMT). Endocrine, Metabolic & Immune Disorders-Drug Targets (Formerly Current Drug Targets-Immune, Endocrine & Metabolic Disorders). 2024 Feb 1;24(2):265-72.
20. Mohajeri-Tehrani MR, Alemzadeh SA, Marzbali FA, Nasserisina S, Hosnan F, Naghghash A, Hamidieh AA, **Behfar M**, Mohseni F, Rashidian H, Shirazi S. How age, sex and transfusion affects the incidence of endocrine and bone density disorders in major thalassemic patients. Iranian Journal of Public Health. 2024 Feb;53(2):433.
21. Mohseni R, MahdaviSharif P, **Behfar M**, Modaresi M.R , Shirzadi R, Mardani M, Jafari L ,Jafari F , Nikfetrat Z , Hamidieh A.A . Evaluation of safety and efficacy of allogeneic adipose tissue-derived mesenchymal stem cells in pediatric bronchiolitis obliterans syndrome (BoS) after allogeneic hematopoietic stem cell transplantation (allo-HSCT). Stem Cell Res Ther. 2023 Sep 19;14(1):256. doi: 10.1186/s13287-023-03498-y.
22. Ansari F, **Behfar M**, Jafari J, Mohseni R, Naji P, Karamlou Y, Hossein AmirzadeIranaq M, Hamidieh A.A. A comprehensive comparison between TBI vs non-TBIbased conditioning regimen in pediatric patients with acute lymphoblastic leukemia: A systematic review and meta-analysis. Leuk Res. 2023 Dec;135:107416. doi: 10.1016/j.leukres.2023.107416. Epub 2023 Oct 28
23. Iida M , Liu K , Jun Huang X , Huang H , Kuwatsuka Y, Ho Moon J , Wook Lee J , Lakshmi KM , Dodds A , Wilcox L, Ko BS , Hamidieh A.A, **Behfar M**. et.al. Report on hematopoietic cell transplantations performed in 2018/2019 focusing on the trends of selection of stem cell sources in the Asia-Pacific region: APBMT Activity Survey. Blood Cell Ther. 2023 Oct 6;6(4):114-123. doi: 10.31547/bct-2023-015. eCollection 2023 Nov 25.
24. Namazi Bayegi SH, Hamidieh A.A, **Behfar M**, et.al. The reconstitution of T-cells after Allogeneic Hematopoietic Stem Cell Transplant in a Pediatric Patient with Congenital Amegakaryocytic Thrombocytopenia (CAMT). Endocr Metab Immune Disord Drug Targets 2023 Aug 1.

25. Namazi Bayegi SH, Hamidieh A.A, **Behfar M**, et al. Disturbance in the reconstitution of distinct T-cell subsets and the incidence of GvHD following allo-HSCT in pediatric patients with non-malignant hematological disorders. Elsevier Volume 261, September 2023, Pages 25-36.
26. Fazlollahi MR, Hamidieh AA, Moradi L, Shokouhi Shoormati R, Sabetkish N, Esmaeili B, Badalzadeh M, Alizadeh Z, Shamlou S, Movahedi M, Mahloujirad M, Razaghian A, Saba Arshi S, Mohammad Gharagozlou M, Kalantari A, Bemanian MH, Safari M, Heidarzadeh Arani M, Nabavi M, Nima Parvaneh N, Sadeghi-Shabestari M, Behfar M, et.al. Clinical and immunological characteristics of 69 leukocyte adhesion deficiency-I patients. *Pediatric Allergy and Immunology*. 2023 Jul;34(7):e13990.
27. Jafari L, **Behfar M**, Tabatabaie S, Karamlou Y, Kashani H, Radmard A.R, Mohseni R, Naji P, Ghanbari F, Ashkevari P, Mohammadi Sh, Hamidieh A.A. Posterior Reversible Encephalopathy Syndrome in Pediatric Hematopoietic Stem Cell Transplantation with Beta Major Thalassemia: The Association between the PRES Occurrence and Class of Beta Major Thalassemia. June 6th, 2023: doi.org/10.21203/rs.3.rs-3004145/v1.
28. Shayan A.N, **Behfar M**, Shams Amiri R, Mohseni R, Azimi M, Firouzi J, Faranoush M, Izadpanah A.H , Mohammad M , Hamidieh A.A, et al. Intra-lesion injection of activated Natural Killer (NK) cells in recurrent malignant brain tumors. *International Immunopharmacology*, Volume 120, July 2023, 110345.
29. Musavi Khorshidi M.S, Seeleuthner Y, Chavoshzadeh Z, **Behfar M**, Hamidieh A.A, et al. Clinical, immunological, and genetic findings in Iranian patients with MHC-II deficiency: confirmation of c.121delG RFXANK founder mutation in the Iranian population. 2023, doi.org/10.21203/rs.3.rs-2726912/v1.
30. Ansari F, **Behfar M**, Naji P, Darvish Z , Rostami T, Mohseni R, Alimoghaddam K, Salajegheh P, Ahadi B, Mardani M , Hamidieh A.A. Fanconi anemia phenotypic and transplant outcomes' associations in Iranian patients. *Health Science Reports*. Apr 2023 5;6(4): e1180. doi: 10.1002/hsr2.1180.
31. . Mardani M, **Behfar M**, Jafari L, Mohseni R, Naji P, Salajegheh P, Donyadideh Gh, Hamidieh A.A. Total body irradiation-free haploidentical peripheral blood stem cell transplantation compared to related and unrelated donor transplantation in pediatrics with acute lymphoblastic leukemia. *Pediatric Blood and Cancer*. 2023, 70(5): e30255. doi: 10.1002/pbc.30255.
32. Bayegi Sh, Hamidieh A.A, **Behfar M**, et al. T helper 17 and regulatory T-cell profile and graft-versus-host disease after allogeneic. hematopoietic stem cell transplantation

in pediatric patients with beta-thalassemia. *Transplant Immunology*. 2023, 77, 101803. DOI: 10.1016/j.trim.2023.101803

33. Jafari L, Hamidieh A.A, **Behfar M**, Farajifard H, Salajegheh P. Effect of Early Bacillus Calmette-Guerin Vaccination of Pediatric Severe Combined Immunodeficiency Patients on the Outcome of Hematopoietic Stem Cell Transplantation Using a Reduced Intensity Conditioning Regimen. *Transplantation and Cellular Therapy*, 2023, 29(3), pp. 188.e1–188.e8.
34. Bayegi SN, Hamidieh AA, **Behfar M**, Saghazadeh A, Bozorgmehr M, Tajik N, Delbandi AA, Delavari S, Shekarabi M, Rezaei N. Unbalanced T-cell subsets in pediatric patients with beta-thalassemia. *Human Immunology*. 2023 Jan 4.
35. Hamidieh AA*, Jafari L, **Behfar M**, Karamlou Y, Shamsipour M, Mohseni R, Farajifard H, Salajegheh P. The Effect of Early BCG-Vaccination of SCID Pediatric Patients on the Outcome of Hematopoietic Stem Cell Transplantation Using Reduced Conditioning Regimen. *Transplantation and Cellular Therapy*. 2022 Dec 17.
36. Monzavi SM, Muhammadnejad A, **Behfar M**, Khorsand AA, Muhammadnejad S, Kajbafzadeh AM. Spontaneous xenogeneic GvHD in Wilms' tumor Patient-Derived xenograft models and potential solutions. *Animal Models and Experimental Medicine*. 2022 Jun 20.
37. Barhoom D, **Behfar M**, Mohseni R, Hamidieh AA. Successful allogeneic stem cell transplantation with a reduced-intensity conditioning in a case of leukocyte adhesion deficiency type III. *Hematology, Transfusion and Cell Therapy*. 2022 Feb 15.
38. **Behfar M**, Muhammadnejad S, Abdolahi S, Mohseni R, Shoaee-Hassani A, Monzavi SM, Hamidieh AA. Adoptive NK-cell transfer as a potential treatment paradigm for Wilms tumor: A preclinical study. *Pediatric Blood & Cancer*. 2022 Apr 20:e29676.
39. Jafari L, Mohseni R, Barhoom D, **Behfar M***, Hamidieh AA. Long-term follow-up of patients with LPS-responsive beige-like anchor protein deficiency after reduced-intensity conditioning for allogeneic hematopoietic stem cell transplantation: report of two cases. *Hematology, Transfusion and Cell Therapy*. 2022 May 6.
40. Barhoom D, Mohseni R, **Behfar M***, Hamidieh AA. Fludarabine-based Reduced Intensity Conditioning for Allogeneic Hematopoietic Stem Cell Transplantation in a Pediatric Patient with Bone Marrow Failure Syndrome Type 3. *Journal of Pediatric Hematology/oncology*. 2021 Dec 22.
41. Hamidieh AA, Hamidi Z, **Behfar M**, Pajouhi Z, Alimoghaddam K, Mohseni F, Ghavamzadeh A, Sobhani M, Larijani B, Mohajeri Tehrani MR. Relationship between endocrine changes and bone markers in pediatric thalassemic patients after

hematopoietic stem cell transplantation. MINERVA PEDIATRICS. 2021 Oct 1;73(5):414-9.

42. Ali T, **Behfar M**, Mohseni R, Salajegheh P, Kheder M, Abou-Fakher F, Nikfetrat Z, Jafari F, Naji P, Hamidieh AA. Escalated dose donor lymphocyte infusion treatment in patients with primary immune deficiencies after HSCT with reduced-intensity conditioning regimen. Hematology/Oncology and Stem Cell Therap 10:407-413. 2021 Jul 2.
43. Barhoom D, Mohseni R, **Behfar M***, Hamidieh AA. Successful allogeneic stem cell transplantation with fludarabine-based reduced intensity conditioning in bone marrow failure syndrome 4. Pediatric Transplantation. 2021 Jul 24:e14089.
44. Rostami T, Monzavi SM, Poustchi H, Khoshdel AR, **Behfar M**, Hamidieh AA. Analysis of determinant factors of liver fibrosis progression in ex-thalassemic patients. International Journal of Hematology. 2021 Jan;113(1):145-57.
45. Esslami GG, Mahmoudi S, Navaeian A, **Behfar M**, Hamidieh AA, Alimadadi H, Mahmoudieh Y, Mamishi S. COVID-19 in transplant recipient children: An Iranian referral hospital-based study. Acta Bio Medica: Atenei Parmensis. 2021;92(2).
46. Barhoom D, Mohseni R, Hamidieh AA, Mohammadpour M, Sharifzadeh M, Navaeian A, Taebi S, **Behfar M***. Clinical Effects of COVID-19 on Hematopoietic Stem Cell Transplant Outcomes in Pediatric Patients. Experimental and Clinical Transplantation: Official Journal of the Middle East Society for Organ Transplantation. 2021 May 1;19(5):501-7.
47. **Behfar M**, Babaei M, Radmard AR, Kooraki S, Farajifard H, Naji P, Taebi S, Hamidieh AA. Posterior Reversible Encephalopathy Syndrome after Allogeneic Stem Cell Transplantation in Pediatric Patients with Fanconi Anemia, a Prospective Study. Biol Blood Marrow Transplant. 2020 Aug 27:S1083-8791(20)30513-9. doi: 10.1016/j.bbmt.2020.08.021.
48. Kheder M, **Behfar M**, Farajifard H, Ali T, Hkima Abou F, Hamidieh AA. Fludarabine-based reduced-intensity conditioning regimen for hematopoietic stem cell transplantation in pediatric patient with IL10 receptor deficiency. Pediatr Transplant. 2020 Aug 26:e13819. doi: 10.1111/petr.13819.
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53. Hamidieh AA, **Behfar M**, Mohseni R, Shoaie-Hassani A. Expression of natural cytotoxicity receptors from peripheral blood and adipose tissue derived NK cells from obese and non-obese persons and Its Effect on neoplastic cells. *Pajouhesh dar pezheshki*. 2018 [cited 2021September01];42(1):7-14. Available from: <https://www.sid.ir/en/journal/ViewPaper.aspx?id=593408>
54. **Behfar M**, Faghihi-Kashani S, Hosseini AS, Ghavamzadeh A, Hamidieh AA. Long-Term Safety of Short-Term Administration of Filgrastim (rhG-CSF) and Leukapheresis Procedure in Healthy Children: Application of Peripheral Blood Stem Cell Collection in Pediatric Donors. *Biol Blood Marrow Transplant*. 2018 Apr; 24(4):866-870. doi: 10.1016/j.bbmt.2017.12.786. Epub 2017 Dec 25.
55. Hamidieh AA, Mohseni F, **Behfar M**, Hamidi Z, Alimoghaddam K, Pajouhi M, Larijani B, Mohajeri-Tehrani MR, Ghavamzadeh A. Short-term Assessment of HSCT Effects on the Hypothalamus-Pituitary Axis in Pediatric Thalassemic Patients. *Arch Iran Med*. 2018 Feb 1; 21(2):56-60.
56. Badv RS, Dehghani SS, **Behfar M**, Ahadi B, Tabasi A, Hamidieh AA. Impact of hematopoietic stem cell transplant on VEP and ABR values of the patients with malignant infantile osteopetrosis. *Eur J Paediatr Neurol*. 2018 Jul; 22(4):718-724. doi: 10.1016/j.ejpn.2018.04.005. Epub 2018 Apr 18.
57. Shoaie-Hassani A, **Behfar M**, Mortazavi-Tabatabaei SA, Ai J, Mohseni R, Hamidieh AA. Natural killer cells from the subcutaneous adipose tissue underexpress the NKp30 and NKp44 in obese persons and are less active against major histocompatibility complex class I non-expressing neoplastic cells. *Frontiers in immunology*. 2017 Nov 7;8:1486.

58. Hamidieh AA, Monzavi SM, Kaboutari M, **Behfar M**, Esfandbod M. Outcome Analysis of Pediatric Patients with Acute Lymphoblastic Leukemia Treated with Total Body Irradiation–Free Allogeneic Hematopoietic Stem Cell Transplantation: Comparison of Patients with and Without Central Nervous System Involvement. *Biology of Blood and Marrow Transplantation*. 2017 Dec 1;23(12):2110-7.
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IX. Honors and Awards:

1. 2nd Prize for Best Poster Presentation at 17th Congress of the Asia Pacific Blood and Marrow Transplantation October 26 – 28, 2012, Hyderabad, India.