



Maryam Behfar M.D

I. Personal Data

Birth date: 1976/09/20
Hometown: Babol
Nationality: Iranian
Marital status: Married
Phone: +9802161472140
Email address: behfarm@sina.tums.ac.ir
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
Children's Medical Center

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. Bayegi SN, Hamidieh AA, Behfar M, Saghadzadeh 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.
2. 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.
3. 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.
4. 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.
5. **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.
6. 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.
7. 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.
8. 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.
9. 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* ١٠هـمJul 2.
 10. 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.
 11. 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.
 12. 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).
 13. 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.
 14. **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.
 15. 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.
 16. **Behfar M**, Koochakzadeh L, Yazdanian N, Salajegheh P, Rostami T, Khodayari-Namini N, Ghavamzadeh A, Hamidieh AA. Outcome of allogeneic Hematopoietic Stem Cell Transplantation on Diamond-Blackfan anemia using busulfan-based myeloablative regimen. *Turk J Pediatr*. 2019;61(3):407-412. doi: 10.24953/turkjped.2019.03.013.

17. Hamidi Z, Mohajeri-Tehrani M, Hamidieh AA, Naghghash A, **Behfar M**, Alimoghaddam K. How thalassemia affects endocrinological, BMD and bone metabolism parameters-a cross sectional study. *Ann Clin Lab Res*. 2019;7(1):293.
18. Hamidieh AA, Rostami T, **Behfar M**, Kiumarsi A, Ghavamzadeh A. Favorable outcome of allogeneic hematopoietic stem cell transplantation in farber disease. *Int. J. Clin. Rheumatol*. 2018; 13(5), 328-330.
19. Hamidieh AA, Eslami Shahre Babaki A, Rostami T, Kasaeian A, Koochakzadeh L, Sharifi Aliabadi L, **Behfar M***, Ghavamzadeh A Single-Center Experience With Hematopoietic Stem Cell Transplantation for Pediatric Acute Lymphoblastic Leukemia: A Modest Pitch for Non-Total Body Irradiation Conditioning Regimens. *Exp Clin Transplant*. 2018; 17(2):243-250. doi: 10.6002/ect.2017.0226. Epub 2018 Oct 5.
20. Hamidieh AA, **Behfar M**, Mohseni R, Shoaee-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>
21. **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.
22. 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 Thalassaemic Patients. *Arch Iran Med*. 2018 Feb 1; 21(2):56-60.
23. 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.
24. Shoaee-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.

25. 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.
26. Hussein AA, Hamidieh AA, Elhaddad A, Ramzi M, Othman TB, Hussain F, Dennison D, Ahmed P, Abboud M, Al-Ahmari A, Wahadne A, Bekadja M-A, Al-Kindi S, Benchekroun S, Ibrahim A, **Behfar M**, Samra M and et al.. First report of pediatric hematopoietic stem cell transplantation activities in the Eastern Mediterranean region from 1984 to 2011: on behalf of the pediatric cancer working committee of the Eastern Mediterranean blood and marrow transplantation group. *Bone marrow transplantation*. 2017 Jan;52(1):120-5.
27. **Behfar M**, Dehghani SS, Rostami T, Ghavamzadeh A, Hamidieh AA. Non-sibling hematopoietic stem cell transplantation using myeloablative conditioning regimen in children with Maroteaux-Lamy syndrome: A brief report. *Pediatric transplantation*. 2017 Aug;21(5):e12981.
28. Shoaee-Hassani A, Hamidieh AA, **Behfar M**, Mohseni R, Mortazavi-Tabatabaei SA, Asgharzadeh S. NK cell-derived exosomes from NK Cells previously exposed to neuroblastoma cells augment the antitumor activity of cytokine-activated NK cells. *Journal of immunotherapy (Hagerstown, Md.: 1997)*. 2017 Sep;40(7):265.
29. Ghavamzadeh A, Alimoghaddam K, Jalili M, Mousavi SA, Bahar B, Kasaeian A, Hamidieh AA, **Behfar M**, Vaezi M, Jalali A, Jahani M. Peripheral blood versus bone marrow transplant in patients with aplastic anemia, an unresolved issue. *Bone Marrow Transplantation*. 2016 Dec; 51(12):1628-1630. doi: 10.1038/bmt.2016.235. Epub 2016 Sep 26.
30. Hamidieh AA, Hamidi Z, **Behfar M**, Pajouhi Z, Alimoghaddam K, Mohseni F, et al. How is the relation between endocrine changes and bone markers in pediatric thalassemic patients after Hematopoietic Stem Cell Transplantation. *Minerva Pediatrica*. 2016 Jul 14.
31. Hamidieh AA, **Behfar M**, Pourpak Z, Faghihi-Kashani S, Fazlollahi MR, Hosseini AS, Movahedi M, Mozafari M, Moin M, Ghavamzadeh A. Long-term outcomes of fludarabine, melphalan and antithymocyte globulin as reduced-intensity conditioning regimen for allogeneic hematopoietic stem cell transplantation in children with primary immunodeficiency disorders: a prospective single center study. *Bone Marrow Transplantation*. 2016 Feb;51(2):219-26. doi: 10.1038/bmt.2015.277. Epub 2015 Nov 23.

32. **Behfar M**, Dehghani SS, Hosseini AS, Jalali A, Hamidieh AA, Ghavamzadeh A. Non-total body irradiation myeloablative conditioning with intravenous busulfan and cyclophosphamide in hematopoietic stem cell transplantation for malignant infantile osteopetrosis. *Pediatric Transplantation*. 2015 Jun;19(4):422-7. doi: 10.1111/ptr.12476.
33. Hamidieh AA, Mozafari M, Noshad S, Alimoghaddam K, **Behfar M***, Ghavamzadeh A. Matched related donor hematopoietic stem cell transplantation results in a long-term follow-up of a pediatric acquired severe aplastic anemia subset: A stem cell source perspective. *Pediatric Transplantation*. 2015 Jun;19(4):399-407. doi: 10.1111/ptr.12458.
34. Hashemi Taheri AP, Radmard AR, Kooraki S, Behfar M, Pak N, Hamidieh AA, Ghavamzadeh A. Radiologic resolution of malignant infantile osteopetrosis skeletal changes following hematopoietic stem cell transplantation. *Pediatric blood & cancer*. 2015 Sep;62(9):1645-9..
35. Hamidieh AA, Dehaghi MO, Paragomi P, Navaei S, Jalali A, Eslami GG, Behfar M, Ghavamzadeh A. Efficiency of allogeneic hematopoietic SCT from HLA fully-matched non-sibling relatives: a new prospect of exploiting extended family search. *Bone marrow transplantation*. 2015 Apr;50(4):545-52.
36. Hamidieh AA, **Behfar M**, Babaki AE, Jalali A, Hosseini AS, Jahani M, Alimoghaddam K, Ghavamzadeh A. Hematopoietic SCT in Iranian children 1991-2012. *Bone Marrow Transplant*. 2015 Jan 19. doi:10.1038/bmt.2014.299.
37. Hamidieh AA, Moeininia F, Tayebi S, Shamshiri AR, **Behfar M**, Jalili M, Alimoghaddam K, Ghavamzadeh A. Efficacy of hepatic T2* MRI values and serum ferritin concentration in predicting thalassemia major classification for hematopoietic stem cell transplantation. *Pediatr Transplant*. 2015 Jan 13. doi: 10.1111/ptr.12428.
38. Hamidieh AA, Mohajeri-Tehrani MR, **Behfar M**, Vaghari-Meher N, Alimoghaddam K, Mohseni F, Ghavamzadeh A, Larijani B, Hamidi Z. Comparison of Bone Mineral Density Changes in Pediatric Thalassemic Patients With and Without Hematopoietic Stem Cell Transplant. *Exp Clin Transplant*. 2014 Nov 12. doi: 10.6002/ect.2014.0178
39. Hamidieh AA, Shazad B, Ostovaneh MR, **Behfar M**, Tayebi S, Malekzadeh R, Ghavamzadeh A, Poustchi H. Noninvasive Measurement of Liver Fibrosis Using Transient Elastography in Pediatric Patients with Major Thalassemia Who Are Candidates for Hematopoietic Stem Cell Transplantation. *Biol Blood Marrow Transplant*. 2014 Jul 25. pii: S1083-8791(14)00474-1. doi: 10.1016/j.bbmt.2014.07.025.

40. Hamidieh AA, Saber T, Fayyazi S, Jalali A, **Behfar M**, Hamdi A, Ghavamzadeh A. Impact of β -Globin Mutations on Outcome of Matched Related Donor Hematopoietic Stem Cell Transplantation for Patients with β -Thalassemia Major. *Biol Blood Marrow Transplant*. 2014 Jul 10. pii: S1083-8791(14)00430-3. doi: 10.1016/j.bbmt.2014.07.004.
41. Hamidieh AA, Tayebi S, Moeininia F, Shamshiri AR, **Behfar M**, Alimoghaddam K, Ghavamzadeh A. T2* MRI changes in the heart and liver of ex-thalassemic patients after hematopoietic stem cell transplantation. *Hematol Oncol Stem Cell Ther*. 2014 Jul 4. pii: S1658-3876(14)00049-1. doi: 10.1016/j.hemonc.2014.06.002.
42. Hamidieh AA, Beiki D, Paragomi P, Fallahi B, **Behfar M**, Fard-Esfahani A, Hosseini AS, Shamshiri A, Eftekhari M, Ghavamzadeh A. The potential role of pretransplant MIBG diagnostic scintigraphy in targeted administration of ¹³¹I-MIBG accompanied by ASCT for high-risk and relapsed neuroblastoma: a pilot study. *Pediatr Transplant*. 2014 Aug;18(5):510-7. doi: 10.1111/ptr.12271. Epub 2014 May 12.
43. Hamidieh AA, Pourpak Z, Hashemi S, Yari K, Fazlollahi MR, Movahedi M, **Behfar M***, Moin M, Ghavamzadeh A. Fludarabine-based reduced-intensity conditioning regimen for hematopoietic stem cell transplantation in primary hemophagocytic lymphohistiocytosis. *Eur J Haematol*. 2014 Apr;92(4):331-6.
44. Hamidieh AA, Pourpak Z, Yari K, Fazlollahi MR, Hashemi S, **Behfar M***, Moin M, Ghavamzadeh A. Hematopoietic stem cell transplantation with a reduced-intensity conditioning regimen in pediatric patients with Griscelli syndrome type 2. *Pediatr Transplant*. 2013 Aug;17(5):487-91.
45. Hamidieh AA, Ansari S, Darbandi B, Soroush A, Arjmandi Rafsanjani K, Alimoghaddam K, Bahosh G, **Behfar M***, Ghavamzadeh A. The treatment of children suffering from chronic myelogenous leukemia: A comparison of the result of treatment with imatinib mesylate and allogeneic hematopoietic stem cell transplantation. *Pediatr Transplant*. 2013 17(4), 380-386.
46. Hamidieh AA, Alimoghaddam K, Jahani M, Bahar B, Mousavi SA, Irvani M, **Behfar M**, Jalali A, Jalili M, Hamdi A, Ghavamzadeh A. Non-TBI Hematopoietic Stem Cell Transplantation in Pediatric AML Patients: A Single-center Experience. *J Pediatr Hematol Oncol*. 2012. 35(6), 239-45.
47. Hamidieh AA, Hadjibabaie M, Ghehi MT, Jalili M, Hosseini A, Pasha F, **Behfar M**, Ghavamzadeh A. Long-term follow-up of children treated with daclizumab for steroid-refractory gastrointestinal GvHD in a prospective study. *Pediatr Transplant*. 2012. 16(6), 664-9.

48. Hamidieh AA, Alimoghaddam K, Jahani M, Mousavi SA, Iravani M, Bahar B, Jalili M, Jalali A, **Behfar M***, Ghavamzadeh A. Long-term results of non-fludarabine versus fludarabine-based stem cell transplantation without total body irradiation in Fanconi anemia patients. *Hematology/oncology and stem cell therapy*. 2011 Jul 1;4(3):109-15.
49. Alimoghaddam K, Ghavamzadeh A, Jahani M, Jalali A, Jorjani H, Iravani M, Hamidieh AA, Mousavi A, Bahar B, **Behfar M**, Derakhshandeh R. Hematopoietic Stem Cell Transplantation in PML-RARa Positive Acute Promyelocytic Leukemia. *International Journal of Hematology-Oncology and Stem Cell Research*. 2011:8-10.
50. Alimoghaddam K, Ghavamzadeh A, Jahani M, Jalali A, Jorjani H, Iravani M, Hamidieh AA, Mousavi A, Bahar B, **Behfar M**, Derakhshandeh R. Hematopoietic stem cell transplantation in acute promyelocytic leukemia, experience in Iran. *Archives of Iranian medicine*. 2011 Sep 1;14(5)
51. **Behfar M**, Ehsani M, Salamati P, Holakouie Naieni K, Jamshidi R, Derakhshandeh-Peykar P. Associations of red blood corpuscle mean volume and hematocrit with severity of beta-globin gene mutations in beta-thalassemia carriers. *sjsph*. 2011; 8 (4) :41-49. URL: <http://sjsph.tums.ac.ir/article-1-68-en.html>

VIII. Abstracts:

1. Bakhtiari MM, Taebi S, **Behfar M**, Mohseni R, Mardani M, Jafari F, Nikfetrat Z, Hejazipour L, Hamidieh AA. Incidence of Hemorrhagic Cystitis Following Hematopoietic Stem Cell Transplantation in Pediatric Patients Based On The Underlying Disease. In *BONE MARROW TRANSPLANTATION 2021 Jun 1 (Vol. 56, No. SUPPL 1, pp. 262-263)*. CAMPUS, 4 CRINAN ST, LONDON, N1 9XW, ENGLAND: SPRINGER NATURE
2. Mohseni R, Mardani M, **Behfar M**, Naji P, Jafari F, Nikfetrat Z, Hejazipour L, Barhoom D, Salajegheh P, Hamidieh AA. Unmanipulated Haploidentical Stem Cell Transplantation for Pediatric Patients with Acute Leukemia: An Experience From The Largest Children'S Hospital in Iran. In *BONE MARROW TRANSPLANTATION 2021 Jun 1 (Vol. 56, No. SUPPL 1, pp. 243-244)*. CAMPUS, 4 CRINAN ST, LONDON, N1 9XW, ENGLAND: SPRINGER NATURE.
3. **Behfar M**, Mottaghipisheh H, Mohseni R, Nikfetrat Z, Jafari F, Hamidieh AA. Impact of Cryopreserved Photopheresis in Graft Versus Host Disease for Non-Malignant Disorders After Allogeneic Hematopoietic Stem Cell Transplantation in Pediatric Patients. In *BONE MARROW TRANSPLANTATION 2021 Jun 1 (Vol. 56, No. SUPPL 1, pp. 201-201)*. CAMPUS, 4 CRINAN ST, LONDON, N1 9XW, ENGLAND: SPRINGER NATURE.

4. Hamidieh AA, Mohseni R, **Behfar M**, Safari-Sharari A, Jafari F, Nikfetrat Z, Hejazipour L, Keikani H, Salajegheh P. Hematopoietic Stem Cell Transplantation for inborn errors of metabolism using alternate donors: a prospective single study. 46th Annual Meeting of the European Society for Blood and Marrow Transplantation 22nd–25th March, 2020. Madrid, Spain.
5. Hamidieh AA, Safari-Sharari A, Mohseni R, Jamee M, Nikfetrat Z, Hejazipour L, Keikani H, Jafari F, Salajaghe S, **Behfar M**. Using HLA-matched related donor as alternative donor for hematopoietic stem cell transplantation in patients without HLA-identical sibling. 46th Annual Meeting of the European Society for Blood and Marrow Transplantation 22nd–25th March, 2020. Madrid, Spain.
6. Hamidieh AA, **Behfar M**, Jamee M, Khavandegar A, Safari-Sharari A, Mohseni R, Jafari F, Nikfetrat Z, Hejazipour L, Keikani H. Improving the result of hematopoietic stem cell transplantation for primary immunodeficiency with serious infection in developing countries using RIC regiment. 46th Annual Meeting of the European Society for Blood and Marrow Transplantation 22nd–25th March, 2020. Madrid, Spain.
7. **Behfar M**, Mardani M, Mohseni R, Barhoom D, Farajifard H, Taebi S, Hamidieh AA. Reduced-Intensity Hematopoietic Stem Cell Transplantation for Chronic Granulomatous Disease: A Single Centre Experience .25th Annual congress of APBMT. 2020. India
8. Mohseni R, **Behfar M**, Barhoom D, Jafari F, Hejazipour L, Nikfetrat Z, Taebi S, Hamidieh AA .The Outcome of Children with Mucopolysaccharidosis Following Allogeneic Peripheral Blood Stem Cell Transplantation Using Non-Sibling Donors. 25th Annual congress of APBMT. 2020. India
9. Hamidieh AA, Kheder M, Ali T, Nasiri H, Farajifard H, Hejazipour L, Kaykani H, Mouna F, Yazdanparast M, Behfar M. Is haploidentical HSCT safe and effective for children with high risk acute leukemia? 24th Annual congress of APBMT .2019.South Korea.
10. Hamidieh AA, Ali T, Sharifzad F, Kheder M, Nasiri H, Jafari F, Nikfetrat Z, Farajifard F, **Behfar M**. The role of donor lymphocyte infusion (DLI) for mix chimerism treatment in SCID infants. 24th Annual congress of APBMT .2019.South Korea.
11. Hamidieh AA, Safari Sharari A, Khodayari N, Hejazipour L, Keykani H, Nikfetrat Z, Jaafari E, **Behfar M**, Salajegheh P, Monzavi SM. Change in the Disease-Scape of Pediatric Patients Underwent Hematopoietic Stem Cell Transplantation in Iran. Bone Marrow Transplantation volume 53, pages145–805 (2019). The 44th Annual Meeting of the European Society for Blood and Marrow Transplantation 18–21 March 2018.Lisbone, Prortugal.

12. Kooraki S, Radmard AR, Hamidieh AA, Hashemi Taheri P, Hosseiny M, **Behfar M**, Babaei M, Ghavamzadeh A. Imaging Manifestations Of Posterior Reversible Encephalopathy Syndrome Following Hematopoietic Stem Cell Transplantation In Pediatric Patients. In Iranian Congress of Radiology 2018; Vol. 34, No. 4, pp. 126.
13. Hamidi Z, Hamidieh AA, Mohajeri-Tehrani MR, Mohseni F, **Behfar M**, Larijani B, Ghavamzadeh A. How HSCT affects bone markers in pediatric thalassemic patients after 2 years. Osteoporosis international 2018; Vol. 29, pp. S426.
14. Hamidieh AA, Shoaee-Hassani A, **Behfar M**, Mohseni R. Natural Killer Cells Treated with CD11b Expressing Subpopulation of Exosomes Show Highly Activated Phenotype Against Neuroblastoma: A Future Prospect for the Treatment of High-Risk Neuroblastoma. Biology of Blood and Marrow Transplantation. 2018 Mar 1;24(3):S474.
15. Hamidieh AA, **Behfar M**, Mohseni R, Shoaee-Hassani A, NK Cell-Derived Exosomes enhance NKs anti-Neuroblastoma activity in a preclinical study: Future NK cell therapy for relapsed Neuroblastoma after HSCT. The 22nd International Congress of Asia Pacific Blood and Marrow Transplantation. 28-30 Oct 2017, Iran.
16. Shoaee-Hassani A, Hamidieh AA, **Behfar M**, Mortazavi Tabatabaei SA, Mohseni R, Ai J, Asgharzadeh S. Naïve NKs Education against Neuroblastoma Tumor via NK Cell-Derived Exosomes from NKs Previously Exposed to Neuroblastoma Cells. The Second National Festival & International Congress on Stem Cell & Regenerative Medicine. 13-15 July 2017, Iran.
17. Hamidieh A, Rostami T, **Behfar M**, Pourpak Z, Fazlollahi M, Hosseini A, Ghavamzadeh A, Moin M. Reduced-intensity conditioning hematopoietic stem cell transplantation in leukocyte adhesion deficiency type I: A single center experience: P715. Bone Marrow Transplantation. 2017 Jul;52.
18. Rostami T, Hamidieh AA, **Behfar M**, Pourpak Z, Fazlollahi MR, Hosseini A, Ghavamzadeh A, Moin M. Outcomes of Hematopoietic Stem Cell Transplantation in Severe Combined Immunodeficiency patients with Disseminated Bacillus Calmette Guerin Infection, Bone Marrow Transplantation, March 2017, France.
19. Hamidieh AA, Rostami T, Ostadali MR, **Behfar M**, Hosseini A, Ghavamzadeh A. Outcomes of Unrelated Donor Hematopoietic Stem Cell Transplantation for Pediatric Patients: The First Report from Iran. Biology of Blood and Marrow Transplantation, Vol. 23, Issue 3, S122. March 2017, Orlando Florida.
20. Shoaee-Hassani A, **Behfar M**, Hamidieh AA. NK Cells Reside in Abdominal Fat Tissue Shows Lack of Cytotoxicity Against MHC-I Non Expressing Neoplastic Cells.

Biology of Blood and Marrow Transplantation, March 2017 volume 23, issue 3, supplement, page S271. Orlando Florida

21. Rostami T, Hamidieh AA, **Behfar M**, Hosseini A, Ghavamzadeh A. Allogeneic Hematopoietic Stem Cell Transplantation for Pediatric Acute B-Cell Lymphoblastic Leukemia Carrying High Risk Chromosomal Translocations: A Retrospective Single Center Study. *Biology of Blood and Marrow Transplantation*, March 2017 volume 23, issue 3, supplement, page S244. Orlando Florida.
22. Hamidieh AA, **Behfar M**, Eslami Shahr Babaki A, Hosseini A, Ghavamzadeh A. TBI-Free Pediatric Hematopoietic Stem Cell Transplantation in Iran: Two Decades of Practice. *Biology of Blood and Marrow Transplantation*, March 2016 volume 22, issue 3, supplement, page S321-322.
23. Hamidieh AA, Rostami T, Ostadali MR, **Behfar M**, Hosseini A, Ghavamzadeh A. Compare the outcomes of matched versus one-locus mismatched related donor hematopoietic stem cell transplantation The 21th Congress of the Asia Pacific Blood and Marrow Transplantation. October 28-30, 2016, Singapore.
24. Hamidieh AA, Rostami T, Ostadali MR, **Behfar M**, Hosseini A, Ghavamzadeh A. Allogeneic hematopoietic stem cell transplantation from uncles and aunts in pediatric patients: a retrospective single center study. The 21th Congress of the Asia Pacific Blood and Marrow Transplantation. October 28-30, 2016, Singapore.
25. **Behfar M**, Hamidieh AA, Pourpak Z, Rostami T, Fazlollahi MR, Hosseini A, Moien M, Ghavamzadeh A. Long-term outcomes of reduced intensity conditioning regimen for allogeneic hematopoietic stem cell transplantation in severe combined immunodeficiency disorder (SCID): a prospective single center study .The 21th Congress of the Asia Pacific Blood and Marrow Transplantation. October 28-30, 2016, Singapore.
26. Rostami T, **Behfar M**, Hamidieh AA, Hosseini A, Ghavamzadeh A. Vitamin D deficiency before allogeneic hematopoietic stem cell transplantation and development of acute GVHD. The 21th Congress of the Asia Pacific Blood and Marrow Transplantation. October 28-30, 2016, Singapore.
27. Shoaee Hassani A, Hamidieh AA, **Behfar M**, Mortazavi-tabatabaei A, Mohseni R, Ai J, De Lima M. IL-21 Effect on The Cord Blood Derived NK Cells Cytotoxicity Against Neuroblastoma Cell Lines .The First National Festival & International Congress on Stem Cell and Regenerative Medicine ,May 19-21, 2016, Iran.
28. Rostami T, **Behfar M**, Ostadali MR, Hamidieh AA. Allogeneic Hematopoietic Stem Cell Transplantation from Grandparents in Pediatric Patients: Analysis of 23 Patients

from a Single Center. The First National Festival & International Congress on Stem Cell and Regenerative Medicine, May 19-21, 2016, Iran.

29. Hamidieh AA, **Behfar M**, Kooraki S, Radmard AR, Rostami T, Tasbihi M, Hashemi Taheri AP, Ghavamzadeh A. Posterior reversible encephalopathy syndrome (PRES) after allogeneic stem cell transplantation in pediatric patients with Fanconi anemia. *Bone Marrow Transplantation* Volume 51: S38; April 2016.
30. Hamidieh AA, Rostami T, Poustchi H, **Behfar M**, Tasbihi M, Malekzadeh R, Ghavamzadeh A. Transient elastography changes in the liver of major thalassemia patients after hematopoietic stem cell transplantation. *Bone Marrow Transplantation* Volume 51: S92; April 2016.
31. A.A.Hamidieh, M.Tasbihi, **M.Behfar**, T.Rostami, A-S.Hosseini, A. Ghavamzadeh. Hematopoietic stem cell transplantation for Single Cytopenia: Single center experience. *Bone Marrow Transplantation* Volume 51: S252; April 2016.
32. A.A.Hamidieh, **M.Behfar**, A.Eslami Shahr Babaki, A.Kasaeian, M.Tasbihi, T.Rostami, A-S. Hosseini, A.Ghavamzadeh Non-TBI hematopoietic stem cell transplantation in pediatric patients with very high risk acute lymphoblastic leukemia in first complete remission: A single center experience. *Bone Marrow Transplantation* Volume 51: S253; April 2016.
33. A.Ghavamzadeh, A.A.Hamidieh, **M.Behfar**, K.Alimoghadam, S.A.Mousavi, A.Kasaeian, M.Vaezi, M.Jahani. Outcomes of Hematopoietic Stem Cell Transplantation in Thalassemia Major Patients: An Impact of donor type. *Bone Marrow Transplantation* Volume 51: S268; April 2016.
34. A.A.Hamidieh, **M.Behfar**, F.Sharifzad, A.Hosseini, A.Ghavamzadeh. The Efficacy of Donor Lymphocyte Infusions (DLI) for Progressive Decline of Donor Chimerism after Hematopoietic Stem Cell Transplantations in Pediatric Non-Malignant Disorders. *Biology of Blood and Marrow Transplantation*, Vol. 22, Issue 3, S246. March 2016.
35. A.A.Hamidieh, **M.Behfar**, A.Eslami Shahr Babaki, A.Hosseini, A. Ghavamzadeh. TBI-Free Pediatric Hematopoietic Stem Cell Transplantation in Iran: Two Decades of Practice. *Biology of Blood and Marrow Transplantation*, Vol. 22, Issue 3, S321–S322. March 2016.
36. A.A.Hamidieh, **M.Behfar**, A.Kasaeian, T.Rostami, A.Hosseini, Z.Darvish, A.Ghavamzadeh. Outcome of Hereditary Bone Marrow failure Syndromes Given Allogeneic Hematopoietic Stem Cell Transplantation Conditioned with Busulfan-based Regimen. The 3rd International and 6th National Congress on Stem Cells and The 1st Regenerative Medicine Congress. January 14-16 2016, Tehran, Iran.

37. A.Ghavamzadeh, A.A.Hamidieh, **M.Behfar**, K.Alimoghaddam, S.A.Mousavi, A.Kasaeian, M.Vaezi, M.Jahani. Outcomes of Hematopoietic Stem Cell Transplantation in Thalassemia Major Patients: An Impact of donor type. The 3rd International and 6th National Congress on Stem Cells and the 1st Regenerative Medicine Congress. January 14-16, 2016, Tehran, Iran.
38. M.Nikbakht, A.A.Hamidieh, K.Alimoghaddam, **M.Behfar**, M.Vaezi, M.Moradkhani, A.Kasaeian, A.Ghavamzadeh. Application of mesenchymal stromal cells for the prevention and treatment of graft-versus-host disease. The 3rd International and 6th National Congress on Stem Cells and the 1st Regenerative Medicine Congress. January 14-16, 2016, Tehran, Iran.
39. A.A.Hamidieh, **M.Behfar**, A.Hamdi, K.Hasan, A-S Hosseini, A.Ghavamzadeh. The Effect of beta-globin gene mutation on the Outcome of Hematopoietic stem cell transplantation in the patients with beta-thalassemia major. The 20th Congress of the Asia Pacific Blood and Marrow Transplantation. Oct.30-Nov.1, 2015, Okinawa, Japan.
40. A.A.Hamidieh, Z. Pourpak, **M.Behfar**, M.R.Fazlollahi, A.S.Hosseini, M. Moin, A.Ghavamzadeh. Reduced-intensity conditioning Hematopoietic stem cell transplantation is an effective treatment for patients with primary hemophagocytic lymphohistiocytosis. The 20th Congress of the Asia Pacific Blood and Marrow Transplantation. Oct.30-Nov.1, 2015, Okinawa, Japan.
41. A.A.Hamidieh, D.Beiki, **M.Behfar**, B.Fallahi, A.Esfahani-Fard, K.Hasan, A-S Hosseini, M.Eftekhari, A.Ghavamzadeh. Autologous Stem Cell Transplantation with/without Iodine-131 Metaiodobenzylguanidine (MIBG) Therapy in Relapsed/Refractory Neuroblastoma. The 20th Congress of the Asia Pacific Blood and Marrow Transplantation. Oct.30-Nov.1, 2015, Okinawa, Japan.
42. A.Ghavamzadeh, A.A.Hamidieh, B.Bahar, **M.Behfar**, M.Vaezi, S.A.Mousavi, K.Alimoghaddam, Long term clinical outcomes after allogeneic Hematopoietic Stem Cell Transplantation in Beta-Thalassemia Major: Retrospective study in Hematology-Oncology and SCT Research Center, Iran. The 20th Congress of the Asia Pacific Blood and Marrow Transplantation. Oct.30-Nov.1, 2015, Okinawa, Japan.
43. A.A.Hamidieh, Z.Pourpak, **M.Behfar**, M.R.Fazlollahi, A.S.Hosseini, M.Moin, A.Ghavamzadeh. Hematopoietic stem cell transplantation with a reduced-intensity conditioning regimen in pediatric patients with primary hemophagocytic lymphohistiocytosis. Iranian Journal of Blood and Cancer, Volume 3, Suppl. August 2015.
44. A.A. Hamidieh, **M.Behfar**, M.Ostadali, S.Alizadeh, A.Kasaeian, A.Ghavamzadeh. Outcome of hematopoietic stem cell transplantation using full matched grandparents

in pediatric patients lacking an HLA identical sibling. Bone Marrow Transplant Volume 50, Issue S1 March 2015.

45. A.Ghavamzadeh, A.A.Hamidieh, B. Bahar, **M. Behfar**, M.Vaezi, S.A.Mousavi, K.Alimoghaddam, A. kasaeian, M. Jahani. The long-term follow-up of allogeneic hematopoietic stem cell transplantation in betathalassemia major patients: A 23-year Iranian experience. Bone Marrow Transplantation Volume 50, Issue S1 March 2015.
46. **M. Behfar**, A.A.Hamidieh, S.Basirpanah, A.S.Hosseini, A.Ghavamzadeh. Outcome of pediatric hematopoietic stem cell transplantation for inborn errors of metabolism: Single center experience. Bone Marrow Transplantation Volume 50, Issue S1 March 2015.
47. A.A.Hamidieh, Z. Pourpak, **M.Behfar**, M.R.Fazlollahi, A.S.Hosseini, M. Moin, A.Ghavamzadeh. Hematopoietic stem cell transplantation with a reduced-intensity conditioning regimen in pediatric patients with primary hemophagocytic lymphohistiocytosis. Bone Marrow Transplantation Volume 50, Issue S1 March 2015.
48. A.A.Hamidieh, M.Kabootari, M.Esfandbod, **M.Behfar**, A.Jalali, A.Ghavamzadeh. Comparing the Results of Non-TBI Hematopoietic Stem Cell Transplantation in Pediatric Patients with Acute Lymphoblastic Leukemia (ALL) with and without CNS Involvement. Biology of Blood and Marrow Transplantation. Volume 21, Issue 2, Supplement, Page S82, February 2015.
49. A.A.Hamidieh, Z.Pourpak, **M.Behfar**, S.Faghihi-Kashani, M.R.Fazlollahi, A. Hosseini, M.Moin, A.Ghavamzadeh. Leukocyte Adhesion Deficiency Type I: The Outcome of Reduced-Intensity Conditioning Hematopoietic Stem Cell Transplantation. Biology of Blood and Marrow Transplantation. Volume 21, Issue 2, Supplement, Page S223, February 2015.
50. A.A.Hamidieh, **M.Behfar**, S.Faghihi-Kashani, A.Hosseini, A.Ghavamzadeh. The Safety of Granulocyte Colony Stimulating Factor (G-CSF) Administration in Pediatric Donors before Peripheral Hematopoietic Stem Cell Donation. Biology of Blood and Marrow Transplantation. Volume 21, Issue 2, Supplement, Page S288, February 2015.
51. A.A. Hamidieh, M. Ostadali, **M. Behfar**, A. Hosseini, S. Basirpanah, A. Kasaeian, A. Ghavamzadeh. Pediatric Hematopoietic Stem Cell Transplantation provided by Matched Non-sibling Relatives: A new prospect of exploiting extended family search. The 5th national and First International Stem Cell Congress of Iranian Society for Hematopoietic Stem Cell Transplantation 15-17 January 2015, Tehran, Iran.
52. **M. Behfar**, A.A. Hamidieh, S. Basirpanah, A. Hosseini, A. Ghavamzadeh. The Result of Pediatric Hematopoietic Stem Cell Transplantation in Inborn Errors of Metabolism

Using Myeloablative Conditioning Regimen: Iranian Experience. The 5th national and First International Stem Cell Congress of Iranian Society for Hematopoietic Stem Cell Transplantation 15-17 January 2015, Tehran, Iran.

53. A.A.Hamidieh, **M.Behfar**, Z.Pourpak, A. Jalali , A. Hosseini, S.Basirpanah, M.Moin, A.Ghavamzadeh. Successful Treatment in Primary Hemophagocytic Lymphohistiocytosis Using Reduced Intensity Conditioning Hematopoietic Stem Cell Transplantation. The 19th Congress of the Asia Pacific Blood and Marrow Transplantation October 16 – 19, 2014, Hangzhou, China.
54. A.A.Hamidieh, MR.Ostadali, S.Moomivand , N.Mehdizadeh, M.Jalili, **M.Behfar**, A. Jalali, K.Alimoghaddam, A.Ghavamzadeh. Outcome of Unrelated HSCT in Patients Lacking HLA Matched Related Donors:ISCDP. The 19th Congress of the Asia Pacific Blood and Marrow Transplantation October 16 – 19, 2014, Hangzhou, China.
55. A.A.Hamidieh, **M.Behfar**, A. Jalali , A. Hosseini, S.Basirpanah, K. Alimoghaddam, A.Ghavamzadeh. Allogeneic Hematopoietic Stem Cell Transplantation for Patients with Hereditary Bone Marrow Failure Syndromes: Iranian Experience. The 19th Congress of the Asia Pacific Blood and Marrow Transplantation October 16 – 19, 2014, Hangzhou, China.
56. A.Ghavamzadeh, A.A.Hamidieh, **M.Behfar**, A.Safari, M.Vaezi, S.A. Mousavi, K.Alimoghaddam, A.Jalali, M.Jahani. The Long-term Follow-up of Hematopoietic Stem Cell Transplantation in BetaThalassemia Major Patients:23-year Experience. The 19th Congress of the Asia Pacific Blood and Marrow Transplantation October 16 – 19, 2014, Hangzhou, China.
57. A.Ghavamzadeh, A.A.Hamidieh, **M.Behfar**, M.Vaezi, S.A. Mousavi, K.Alimoghaddam, A. Jalali, M.Jahani. Co-transplantation of Mesenchymal Stem Cells and Hematopoeitic Stem Cells in Patients with Class III Thalassemia Major. The 19th Congress of the Asia Pacific Blood and Marrow Transplantation October 16 – 19, 2014, Hangzhou, China
58. Hamidieh A.A.,Radmard A. R., Kooraki S., Behfar M., Hashemi Taheri A. P., Ghavamzadeh A. Imaging features of posterior reversible encephalopathy syndrome (PRES) after allogeneic hematopoietic stem cell transplantation in paediatric patients: a prospective study. Bone Marrow Transplant Volume 49, Issue S1 March 2014.
59. Hamidieh A.A., Beiki D., Paragomi P., Fallahi B., Behfar M., Fard-Esfahani A., Hosseini A. S., Shamshiri A., Eftekhari M., Ghavamzadeh A. A Mean To Optimize Transplant Regimen For Neuroblastoma: The Role Of Pre-Transplant MIBG Scintigraphy In Targeted Administration Of 131i-Mibg Accompanied By Autologous Stem Cell transplantation. Bone Marrow Transplant Volume 49, Issue S1 March 2014.

60. Hamidieh A.A., Kabootari M., Behfar M., Esfandbod M., Jalali A., Ghavamzadeh A. Comparing The Outcome Of Hsct In Relapsed All Pediatric Patients With/Without Cns Involvement Using Non –TBI Conditioning Regimens: Single Center Experience. Bone Marrow Transplant Volume 49, Issue S1 March 2014.
61. Amir Ali Hamidieh, **Maryam Behfar**, Leila Sharifi Aliabadi, Arash Jalali, Ashraf sadat Hosseini, Ardeshir Ghavamzadeh .Encouraging Leukemia-Free Survival Rates in 72 Pediatric Acute Lymphoblastic Leukemia (ALL) in CR Undergoing Allogeneic Hematopoietic Stem Cell Transplantation Using a TBI-Free Conditioning Regimen. Biology of Blood and Marrow Transplantation. Volume 20, Issue 2, Supplement , Page S82, February 2014.
62. Amir Ali Hamidieh, Amirpejman Hashemi Taheri, Seyed Mohsen Moosavi, Soheil Kooraki, **Maryam Behfar**, Ardeshir Ghavamzadeh. Radiologic Resolution of Malignant Infantile Osteopetrosis Skeletal Changes after Hematopoietic Stem Cell Transplantation. Biology of Blood and Marrow Transplantation. Volume 20, Issue 2, Supplement, Page S170, February 2014.
63. Amir Ali Hamidieh, **Maryam Behfar**, Navid Jabalameli, Arash Jalali, Leila Sharifi Aliabadi, Ashraf sadat Hosseini, Simindokht Basirpanah, Ardeshir Ghavamzadeh. Hemorrhagic Cystitis Following Hematopoietic Stem Cell Transplants in Children: Single Center Experience. Biology of Blood and Marrow Transplantation. Volume 20, Issue 2, Supplement, Page S169-S170, February 2014.
64. A.A. Hamidieh, M.R. Ostadali, S. Moomivand, N.Mehdizadeh , M. Jalili, **M. Behfar**, A. Jalali, K. Alimoghaddam, , A. Ghavamzadeh. The result of HSCT using unrelated donor in patients without HLA matched related donors: Report of Iranian Stem Cell Donor Program (ISCDP). The 4th Stem Cell Congress of Iranian Society for Hematopoietic Stem Cell Transplantation 22 -24 January 2014, Tehran, Iran.
65. A.R.Radmard, S. Kooraki, A.P. Hashemi Taheri, **M. Behfar**, A.A. Hamidieh. Posterior Reversible Encephalopathy Syndrome (PRES) after Allogenic Hematopoietic Stem Cell Transplantation in Pediatrics: Imaging features and Clinical Significance. The 4th Stem Cell Congress of Iranian Society for Hematopoietic Stem Cell Transplantation 22 -24 January 2014, Tehran, Iran.
66. A.P. Hashemi Taheri, A.R.Radmard, A.A. Hamidieh, **M. Behfar**.Resolution of Osteopetrosis Radiologic Changes after Stem Cell Transplantation. The 4th Stem Cell Congress of Iranian Society for Hematopoietic Stem Cell Transplantation 22 -24 January 2014, Tehran, Iran.
67. A.A. Hamidieh, **M. Behfar**, K. Alimoghaddam, L. Sharifi Aliabadi, A. Jalali, A.S. Hosseini, S Basirpanah, M. Jahani, A. Ghavamzadeh.Outcome of Pediatric Hematopoietic Stem Cell Transplantation for Malignant and non- Malignant

Disorders: Iranian Experience. The 4th Stem Cell Congress of Iranian Society for Hematopoietic Stem Cell Transplantation 22 -24 January 2014, Tehran, Iran

68. A.A.Hamidieh, M.Behfar, M. Ostadali, A.Jalali, L.Sharifi Aliabadi, A. Hosseini, S.Basirpanah ,A.Ghavamzadeh. Allogeneic Hematopoietic Stem Cell Transplantation for Pediatric Patients in Needed Using Family Members Other Than HLA-Identical Siblings. The 18th Congress of the Asia Pacific Blood and Marrow Transplantation November 1 – 3, 2013, Ho Chi Minh City, Vietnam
69. A.A.Hamidieh, **M.Behfar**, L.Sharifi Aliabadi, A.Jalali, A. Hosseini, S.Basirpanah ,A.Ghavamzadeh. Busulfan-based Conditioning Regimen in Hematopoietic Stem Cell Transplantation for Pediatric Patients with Diamond-Blakfan and Fanconi Anemia. The 18th Congress of the Asia Pacific Blood and Marrow Transplantation November 1 – 3, 2013, Ho Chi Minh City, Vietnam.
70. **M.Behfar**, A.A.Hamidieh, A.Jalali, L.Sharifi Aliabadi, A. Hosseini, A.Ghavamzadeh. Conditioning Therapy with Intravenous versus Oral Busulfan prior to Hematopoietic Stem Cell Transplantation in Pediatric Patients. The 18th Congress of the Asia Pacific Blood and Marrow Transplantation November 1 – 3, 2013, Ho Chi Minh City, Vietnam.
71. A.A.Hamidieh, **M.Behfar**, K.Alimoghaddam , L.Sharifi Aliabadi, A.Jalali, A. Hosseini, S.Basirpanah , M.Jahani ,A.Ghavamzadeh. Outcome of Hematopoietic Stem Cell Transplantation for Pediatric Patients: Iranian Retrospective Study. The 18th Congress of the Asia Pacific Blood and Marrow Transplantation November 1 – 3, 2013, Ho Chi Minh City, Vietnam.
72. A.A.Hamidieh, **M.Behfar**, A.Jalali, L.Sharifi Aliabadi .M.Ostadali, M.Nikbakht, K.Alimoghaddam, A.Ghavamzadeh. Outcome of cord blood stem cell transplantation for patients with malignant and nonmalignant disorders: Single center experience in IRAN. Abstract Book of 4th World Cord Blood Congress and Innovative Therapies for Sickle Cell Disease, October 24-27 2013, Monaco, France
73. A.A.Hamidieh, **M.Behfar**, A.Ghavamzadeh. Advances of hematopoietic stem cell transplantation in primary immunodeficiencies. Abstract Book of 25th International Congress of Pediatrics, Tehran, Iran, October 10-14, 2013.
74. A.A.Hamidieh H. Poustchi, B. Shazad, **M. Behfar**, S.Tayebi, M. Jalili, R. Malekzadeh, A. Ghavamzadeh. A., 2013. Assessment of liver fibrosis in patients with b-thalassemia major undergoing hematopoietic stem cell transplantation using transient elastography. 18th congress of the EHA. JUNE 13-16 Stockholm.

75. A.A.Hamidieh, **M.Behfar**, A. Hosseini, L.Sharifi Aliabadi, S. Basirpanah, A.Ghavamzadeh. Treatment of malignant infantile osteopetrosis with haematopoietic stem cell transplantation. Bone Marrow Transplant Volume 48, Issue 2s, April 2013.
76. A.A.Hamidieh, **M.Behfar**, S.Tayebi, A.Jalali, L.Sharifi Aliabadi, A. Hosseini, S.Basirpanah, A.Ghavamzadeh. Comparison of intravenous versus oral busulfan on the prognosis of paediatric patients with acute leukaemia undergoing haematopoietic stem cell transplantation. Bone Marrow Transplant Volume 48, Issue 2s, April 2013.
77. A.A.Hamidieh, M.Ostadali, S.Tayebi, **M.Behfar**, A.Jalali, L.Sharifi Aliabadi, A.Ghavamzadeh. Long-term outcomes of haematopoietic stem cell transplantation in paediatric patients with non-malignant disorders using HLA-matched other-relative donor. Bone Marrow Transplant Volume 48, Issue 2s, April 2013.
78. Amir Ali Hamidieh, Sirous Tayebi, **Maryam Behfar**, Ahmadreza Shamshiri, Kamran Alimoghaddam, Ardeshir Ghavamzadeh. Assessment of Iron Overload in Pediatric Patients With Thalassemia Major During One Year Follow-Up After Hematopoietic Stem Cell Transplantation Using T2 MRI Technique. Volume 19, Issue 2, Supplement, Page S248, February 2013.
79. Amir Ali Hamidieh, **Maryam Behfar**, Kamran Alimoghaddam, Sirous Tayebi, Simindokht Basirpanah, Ashraf sadat Hosseini, Arash Jalali, Ardeshir Ghavamzadeh. Long-Term Outcomes of Hematopoietic Stem Cell Transplantation in Pediatric Patients with Acute Leukemia Based on Conditioning Regimen without Total Body Irradiation. Volume 19, Issue 2, Supplement, Page S225, February 2013.
80. Amir Ali Hamidieh, Mohammadreza Ostadali, **Maryam Behfar**, Sirous Tayebi, Ashraf sadat Hosseini, Arash Jalali, Ardeshir Ghavamzadeh. Grandparents Are Invaluable People as HLA-Matched Donors in Hematopoietic Stem Cell Transplantation. Volume 19, Issue 2, Supplement, Pages S345-S346, February 2013.
81. Amir Ali Hamidieh, Zahra Pourpak, **Maryam Behfar**, , Mohammad reza Fazlollahi, Kamran Alimoghaddam, Ashraf-sadat Hosseini, Mahdi Jalili, Mostafa Moin, Ardeshir Ghavamzadeh. Hematopoietic stem cell transplantation for Primary immunodeficiency diseases using a reduced intensity conditioning regimen. The 17th Congress of the Asia Pacific Blood and Marrow Transplantation October 26 – 28, 2012, Hyderabad, India.
82. Amir Ali Hamidieh, Mohammadreza Ostadali, Kamran Alimoghaddam, Mohammad Jahani, Babak Bahar, Seyed Asadollah Mousavi, Masood Irvani, Arash Jalali, Mahdi Jalili, **Maryam Behfar**, Leyla Sharifi, Ardeshir Ghavamzadeh. Compare the results of allogeneic stem cell transplantation from other – related and sibling donors in pediatric patients with beta –thalassaemia major. The 17th Congress of the Asia Pacific Blood and Marrow Transplantation October 26 – 28, 2012, Hyderabad, India.

83. Amir Ali Hamidieh, Hossain Poustchi, Babak Shazad, **Maryam Behfar**, Mohammad Reza Ostovaneh, Mahdi Jalili, Reza Malekzadeh, Ardeshir Ghavamzadeh. Transient elastography in the Assessment of liver fibrosis in thalassemia major patients. The 17th Congress of the Asia Pacific Blood and Marrow Transplantation October 26 – 28, 2012, Hyderabad, India.
84. **Maryam Behfar**, Amir Ali Hamidieh, Ashraf-sadat Hosseini, Simindhokht Basirpanah, Ardeshir Ghavamzadeh. Outcome of Hematopoietic Stem Cell Transplantation in pediatric patients with Malignant Infantile Osteopetrosis. The 17th Congress of the Asia Pacific Blood and Marrow Transplantation October 26 – 28, 2012, Hyderabad, India.
85. Amir Ali Hamidieh, Fatemeh Moeininia, Sirous Tayebi, **Maryam Behfar**, Kamran Alimoghaddam, Ardeshir Ghavamzadeh. Comparison of T2* MRI Technique and Serum Ferritin Level in Assessment of Liver Iron Overload in Thalassemia major Patients after Hematopoietic Stem Cell Transplantation. The 17th Congress of the Asia Pacific Blood and Marrow Transplantation October 26 – 28, 2012, Hyderabad, India.
86. A.A. Hamidieh, D. Beigi, B. Fallahi, **M. Behfar**, M. Jalili, A. Fard-Esfahani, A. Hosseini, A. Ghavamzadeh. Autologous hematopoietic stem cell transplantation in patients with high risk neuroblastoma treated with/without 131I- MIBG. 10th Asia Oceania Congress of Nuclear Medicine and Biology (AOFNMB). Iran J Med 2012; Vol 20, Supplement 1.
87. A.A. Hamidieh, M. Jalili, **M. Behfar**, K. Alimoghaddam, M. Jahani, B. Bahar, S.A. Mousavi, M. Irvani, A. Jalali, A. Hamdi, A. Ghavamzadeh. Non-TBI regimens for allogeneic haematopoietic stem cell transplantation in paediatric patients with acute lymphoblastic leukaemia: long-term follow-up. Bone Marrow Transplant Volume 47, Issue S1, 4.
88. A.A. Hamidieh, **M. Behfar**, K. Alimoghaddam, M. Jahani, B. Bahar, S.A. Mousavi, M. Irvani, M.R. Ostadali, A. Jalali, A. Hamdi, M. Jalili, S. Basirpanah, A. Hosseini, L. Sharifi, A. Ghavamzadeh. Allogeneic haematopoietic stem cell transplantation in paediatric patients with Fanconi's anemia and severe aplastic anemia. Bone Marrow Transplant Volume 47, Issue S1, April 2012.
89. A.A. Hamidieh, M.R. Ostadali, A. Hamdi, K. Alimoghaddam, M. Jahani, B. Bahar, S.A. Mousavi, M. Irvani, A. Jalali, M. Jalili, **M. Behfar**, L. Sharifi, A. Ghavamzadeh. Outcomes of transplantation with other-related- and sibling-donor stem cells in children with Beta-thalassaemia major. Bone Marrow Transplant Volume 47, Issue S1, April 2012.

90. A.A. Hamidieh, Z. Pourpak, M. Jalili, M.R. Fazlollahi, **M. Behfar**, M. Movahedi, A. Hosseini, S. Basirpanah, A. Hamdi, A. Jalali, M. Moin, A. Ghavamzadeh Haematopoietic stem cell transplantation in primary immunodeficiency diseases: the Iranian experience. Bone Marrow Transplant Volume 47, Issue S1, April 2012.
91. A.A. Hamidieh, H. Poustchi, B. Shazad, A. Hamdi, M. Jalili, **M. Behfar**, A. Hosseini, A. Jalali, R. Malekzadeh, A. Ghavamzadeh Value of transient elastography (FibroScan) in assessment of liver fibrosis in patients with Beta-thalassaemia major considered as candidates for haematopoietic stem cell transplantation. Bone Marrow Transplant Volume 47, Issue S1, April 2012.
92. A.A. Hamidieh, **M. Behfar**, A. Hamdi, M.R. Ostadali, M. Jalili, A. Jalali, A. Hosseini, S. Basirpanah, A. Ghavamzadeh. Hematopoietic Stem Cell Transplantation for Pediatric Patients with Hereditary Bone Marrow Failure Syndromes without Total Body Irradiation. Biology of Blood and Marrow Transplantation Volume 18, Issue 2, Supplement, Page S232, February 2012.
93. A.A. Hamidieh, M.R. Mohajeri-Tehrani, M. Mirboluk, A. Hamdi, **M. Behfar**, M. Jalili, A.R. Shamshiri, A. Ghavamzadeh. Bone Mineral Density Changes in Patients with β -Thalassemia Major after Hematopoietic Stem Cell Transplantation. Biology of blood and marrow transplantation: journal of the American Society for Blood and Marrow Transplantation 1 February 2012, volume 18, issue 2, Page: S280 DOI: 10.1016/j.bbmt.2011.12.209.
94. A.A. Hamidieh, D. Beigi, B. Fallahi, **M. Behfar**, M. Jalili, A. Hamdi, A. Hosseini, A. Ghavamzadeh. Comparison of Autologous Hematopoietic Stem Cell Transplantation with and Without Metaiodobenzylguanidine (MIBG) in Patients with High Risk Neuroblastoma. Biology of blood and marrow transplantation: journal of the American Society for Blood and Marrow Transplantation 1 February 2012, volume 18, issue 2, Page: S251 DOI: 10.1016/j.bbmt.2011.12.138.
95. A.A. Hamidieh, **M. Behfar**, M. Jalili, A. and A. Ghavamzadeh. 2011. Allogeneic Hematopoietic Stem Cell Transplantation for inborn errors of metabolism: Iranian experience. the 1th international and 5th annual congress of neurogenetic disease from bed to bench. November23-25.Genetics in the 3rd millennium, 9(3), 4-5.
96. Amir Ali Hamidieh, **Maryam Behfar**, FatemehMoeininia, Mahdi Jalili, Ahmad Reza Shamshiri, Kamran Alimoghaddam, ArdeshirGhavamzadeh. MRI T2* Finding of Iron Status in B-Thalassemia Major Undergoing Hematopoietic Stem Cell Transplantation. The 16th Congress of the Asia Pacific Blood and Marrow Transplantation October 30 October - 2 November 2011, Sydney, Australia.
97. Amir Ali Hamidieh, **Maryam Behfar**, Ashrafsadat Hosseini, Ommonbanin Bakhti, Simindhokht Basirpanah, Mahdi Jalili, Kamran Alimoghaddam, Ardeshir

Ghavamzadeh. Non-Myeloablative Hematopoietic Stem Cell Transplantation for Patients with Hemophagocytic Lymphohistiocytosis. The 16th Congress of the Asia Pacific Blood and Marrow Transplantation October 30 October - 2 November 2011, Sydney, Australia.

98. Amir Ali Hamidieh, **Maryam Behfar**, Ashrafsadat Hosseini, Ommonbanin Bakhti, Simindhokht Basirpanah, Mahdi Jalili, Kamran Alimoghaddam, ArdeshirGhavamzadeh. Treatment of Inborn Errors of Metabolism with Allogeneic Hematopoietic Stem Cell Transplantation the 16th Congress of the Asia Pacific Blood and Marrow Transplantation October 30 October - 2 November 2011, Sydney, Australia.
99. AA Hamidieh, **M Behfar**, A Houseini, S Basirpanah, O Bakhti, R Derakhshandeh, A Jalali, K Alimoghaddam, A Ghavamzadeh. Hematopoietic Stem Cell Transplantation in Pediatrics: Report from the Hematology-Oncology and Stem Cell Transplantation Research Center, Iran 1991-2011. The 16th Congress of the Asia Pacific Blood and Marrow Transplantation October 30 October - 2 November 2011, Sydney, Australia.
100. A.A. Hamidieh, M. Ostadali, A. Houseini, O. Bakhti, S. Basippanah, **M. Behfar**, Jalali, M. Jalili, K. Alimoghaddam, A. Ghavamzadeh. Using Other-Related Donors for Allogeneic Blood and Marrow Transplantation in Iran. Bone Marrow Transplantation Vol. 46, Supplement 1, April 2011.
101. A.A. Hamidieh, Z. Pourpak, **M. Behfar**, M. Fazlollahi, K. Alimoghaddam¹, M. Movahhedi, M. Jalili, M. Moein, A. Ghavazadeh. Result of hematopoietic stem cell transplantation in hemophagocytic lymphohistiocytosis with reduced-intensity conditioning regimen Bone Marrow Transplantation Vol. 46, Supplement 1, April 2011.
102. A.A. Hamidieh, **M. Behfar**, A. Houseini O. Bakhti, S. Basirpanah, M. Jalili, K. Alimoghaddam, A. Ghavamzadeh. Hematopoietic Stem Cell Transplantation for inborn errors of metabolism: The Iranian experience Bone Marrow Transplantation Vol. 46, Supplement 1, April 2011.
103. A.Hamidieh, A. Ghavamzadeh, K. Alimoghaddam, M. OstadaliDehaghi, **M. Behfar**, H. Jorjani, A. Jalali, R. Derakhshandeh. Results of Related and Unrelated Umbilical Cord Blood Stem Cell Transplantation for 35 Patients in Iran. Bone Marrow Transplantation Vol. 46, Supplement 1, April 2011.
104. Amir Ali Hamidieh, Mohammad reza Ostadali, MahdiJalili, **Maryam Behfar**, Simindokht Basirpanah, Asharf sadat Houseini, Ommonbanin Bakhti, Ardeshir Ghavamzadeh. Allogeneic stem cell transplantation from donors other than HLA-matched siblings in pediatric patients: Family Bank. Biology of Blood and Marrow Transplantation Vol. 17, Issue 2, Supplement, Page S228, February 2011.

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.