



CURRICULUM VITAE

Amir Ali Hamidieh M.D.

I. Personal Data

Birth date: 23 Sep 1972
Place of birth: Tehran
Home town: Tehran
Citizenship: Iran
Nationality: Iranian
Marital status: Married
Phone: +98 21 83532371
Fax: +98 21 83532375
Email address: aahamidieh@sina.tums.ac.ir
Current position: Pediatric Hematologist/Oncologist
& Stem Cell Transplant Specialist
Associate Professor of Medicine
Tehran University of Medical Sciences
Work address: Pediatric Stem Cell Transplant Department
Children's Medical Center,
Qarib St, Keshavarz Blvd, Tehran 14194, Iran

II. Education

2011 Course of Hematopoietic Stem Cell Transplantation,
MD Anderson cancer center,
University of Texas,
Houston, USA
2009 Course of Pediatric Hematopoietic Stem Cell Transplantation,
Texas Children's Hospital, Center for Cell and Gene Therapy
Baylor College of Medicine
Houston, USA
2003-2006 Pediatric Hematology/Oncology, Fellowship
Mofid Children's Hospital
Shaheed Beheshti University of Medical sciences
Tehran, Iran
1999-2002 Pediatrics, Residency
Mofid Children's Hospital
Shaheed Beheshti University of Medical Sciences

1990-1997 **Tehran, Iran**
M.D. Faculty of Medicine,
Tehran Azad University, Medical Sciences
Tehran, Iran

III. Academic Appointments

2012-Present **Associate Professor of Medicine**
Tehran University of Medical Sciences
Pediatric Stem Cell Transplant Department,
Children's Medical Center
Hematology-Oncology and SCT Research Center,
Shariati Hospital

2007-2012 **Assistant Professor of Medicine**
Tehran University of Medical Sciences
Hematology-Oncology and SCT Research Center
Shariati Hospital

IV. Board Certification:

2002 **Iranian Board of Pediatrics**
2006 **Iranian Board of Pediatric Hematology/Oncology**

V. Administrative Position

2016-present **Director, Pediatric Stem Cell Transplantation Program**
Children's Medical Center
Tehran University of Medical Sciences

2015-present **Secretary General, Council for Stem Cell and Regenerative**
Medicine
Tehran University of Medical Sciences

2015-present **Chairman, National Council for Development of Stem Cell**
Sciences and Technologies

2014-present **Vice-Presidency for Science and Technology**
Executive Board Member, National Council for
Development of Stem Cell Sciences and Technologies
Vice-Presidency for Science and Technology

2015-present **Executive Board Member, Iranian National Stem Cell Donor**
Network (INSCDN)
Iranian Ministry of Health and Medical Education

2015-2016	Secretary General, Iranian National Stem Cell Donor Network (INSCDN)
2015- present	Iranian Ministry of Health and Medical Education Secretary General, Council for Development of Stem Cell Sciences and Regenerative Medicine Tehran University of Medical Sciences
2015-present	Executive Board Member, Council for Development of Stem Cell Sciences and Regenerative Medicine Tehran University of Medical Sciences
2014-2015	Education Deputy, Department of Applied Cell Sciences School of Advanced Medical Technologies, Tehran University of Medical Sciences
2013-present	Executive Board Member, Asia Pacific Blood and Marrow Transplantation Group (APBMT)
2012-present	Scientific Committee Member, Asia Pacific Blood and Marrow Transplantation Group (APBMT)
2011-present	Secretary General, Iranian Society of Hematopoietic Stem Cell Transplantation (ISHSCT)
2011-present	Board of Directors, Iranian Society of Hematopoietic Stem Cell Transplantation (ISHSCT) Member
2010-present	Representative of Eastern Mediterranean Blood and Marrow Transplantation Group in Worldwide Network for Blood & Marrow Transplantation (WBMT)
2009-present	Chairman, Histocompatibility, Alternate Donor Transplantation, Donor health committee in Eastern Mediterranean Blood and Marrow Transplantation Group (EMBMT)
2009-present	Board of Directors, Eastern Mediterranean Blood and Marrow Transplantation Group (EMBMT)
2008-2014	Founder and Director, Iranian Stem Cell Donor Program (ISCDP)
2007-2016	Director, Pediatric Stem Cell Transplantation Program Hematology-Oncology and SCT Research Center, Shariati Hospital Tehran University of Medical Sciences

VI. Memberships & Review for Journals

2017-present	Editorial Board, Blood Cell Therapy
2015-present	Reviewer, Annals of Hematology Journal
2015-present	Reviewer, Bone Marrow Transplantation Journal
2014-present	Reviewer, Medicine (Baltimore) Journal
2013-present	Editorial Board, Magazine of European Medical Oncology
2013-present	Reviewer, International Journal of Organ Transplantation Medicine

2012-present	Reviewer, Pediatric Transplantation Journal
2012-present	Section Editor, Acta Medica Iranica Journal
2011-present	Editorial Board, Hematology/Oncology and Stem Cell Therapy Journal
2010-present	Reviewer, Archives of Iranian Medicine Journal
2010-present	Member of Asia Pacific Blood and Marrow Transplantation Group, APBMT
2010-present	Scientific Board of Royan International Research Award
2010-present	Reviewer, Iranian Journal of Pediatrics
2009-present	Member of European Group for Blood and Marrow Transplantation, EBMT
2009-present	Member of American Society for Blood and Marrow Transplantation, ASBMT
2009-present	Reviewer, Iranian Journal of Blood and Cancer
2008-present	Member of European Hematology Association, EHA
2008-present	Reviewer, Iranian Journal of Allergy, Asthma and Immunology
2007-present	Associate Editor, International Journal of Hematology-Oncology and Stem Cell Research
2007-present	Member of Iranian Society of Hematopoietic Stem Cell Transplantation (ISHSCT)
2004-present	Member of Iranian Society of Pediatric Hematologist/Oncologist
2002-present	Member of the Iranian Society of Pediatricians

VII. Research Projects (ongoing and finished)

1. Posterior reversible encephalopathy syndrome after hemotopoetic stem cell transplantation in pediatrics patients
2. Human β globin gene editing with application of CRISPR/Cas9 system in hematopoietic stem cells aimed at cure of β thalassemia and sickle cell anemia
3. Induced hemorrhagic cystitis with cyclophosphamide in rats
4. Tissue engineering of ovine heart by GFP-Positive newborn rat cells seeding on the acellular myocardial flap using a novel combined bioreactor
5. Comparison of cell expansion and cell transduction methods for generation of efficient chimeric receptor antigen T cells
6. Tissue engineering of ovine heart by GFP-Positive newborn rat cells seeding on the acellular myocardial flap using a novel combined bioreactor
7. Therapeutic potential of exosomes generated from human embryonic stem cell-derived Mesenchymal Stromal Cells in liver injury model
8. Effectiveness of allogeneic adipose derived mesenchymal stem cells (ADMSCs) in the phenotypic changes of Werdnig Hoffman patients
9. Effectiveness of Natural Killer cells treated with interleukines for therapy in Neuroblastoma mice Model

10. Induced hemorrhagic cystitis with cyclophosphamide in rats
11. 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
12. Hematopoietic stem cell transplantation among Diamond Blackfan Anemia patients applying Busulfan plus Cyclophosphamide \pm rATG
13. Investigation of novel mutations in patients with leukocyte adhesion deficiency-type I, Wiskott-Aldrich, DOCK8 deficiency, Severe congenital neutropenia
14. Oral mucositis prevention in patients with Fanconi Anemia undergoing Stem Cell Transplantation
15. Hematopoietic stem cell transplantation results in pediatric acquired severe aplastic anemia: Stem cell source perspective.
16. Plasma levels of vitamin A and E for thalassemic patients undergoing hematopoietic stem cell transplantation
17. Comparison of the results of one-locus HLA-mismatched Stem Cell Transplantation from relative Donors with HLA full-matched relative donors
18. Malignant infantile osteopetrosis skeletal changes following hematopoietic stem cell transplantation.
19. Extended family search: Efficiency of allogeneic stem cell transplantation from HLA fully-matched non-sibling relatives
20. Comparing the results of hematopoietic stem cell transplantation using preparing regimen without TBI in patients with acute lymphoblastic leukemia with and without central nervous system involvement
21. Elastography assessment of liver iron overload in patients with thalassemia major after stem-cell transplantation
22. Allogeneic Hematopoietic Stem Cell Transplantation for Patients with Hereditary Bone Marrow Failure Syndromes
23. Impact of Beta-Globin Mutations on Outcome of Hematopoietic Stem Cell Transplantation for Patients with Beta-Thalassemia Major
24. Reduced-intensity conditioning regimen for Hematopoietic Stem Cell Transplantation in primary hemophagocytic lymphohistiocytosis
25. Non-TBI Hematopoietic Stem Cell Transplantation in Pediatric Leukemia Patients
26. Evaluation of benefit and side effects of double unit umbilical cord blood stem cell transplantation in hematologic malignancies with Non-TBI regimen
27. Bone mineral density in ex-thalassemic pediatric patients
28. Study of minor histocompatibility matching with recipients between HLA-identical siblings and HLA-matched other related donors
29. Evaluation of benefit and side effect of myeloablative regimen for the treatment of malignant Osteopetrosis
30. Evaluation of benefit and side effect of myeloablative regimen for the treatment of malignant Mucopolysaccharidosis (MPS)
31. Iranian Stem Cell Donor Program
32. MRI T2* assessment of liver and heart iron overload in patients with thalassemia major after stem cell transplantation
33. Resilience, mental health and quality of life in HSCT children caregivers.
34. Daclizumab in children with corticosteroid-refractory gastrointestinal acute GVHD

35. Hepatocytes of donor origin in recipient liver of class III beta thalassaemia major patients who had undergone co-transplantation of Stem cell and Mesenchymal progenitor cells
36. 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
37. Reduced-intensity conditioning hematopoietic Hematopoietic Stem Cell Transplantation for pediatric patients with primary immunodeficiencies
38. Treatment of children suffering from CML: comparison of the result of treatment with imatinib mesylate and HSCT
39. Lorazepam for seizure prophylaxis during high-dose busulfan administration in children undergoing bone marrow transplantation
40. Quantitation of human cytomegalovirus DNA in plasma using an affordable in-house qPCR assay
41. Busulfan-based stem cell transplantation without total body irradiation in Fanconi anemia patients
42. Prevalence of hypoparathyroidism and hypothyroidism in major thalassaemia patients
43. Prevalence of zinc and copper deficiency in major thalassaemia patients
44. Prevalence of helicobacter pylori infection in chronic ITP children
45. Incidence of hearing loss in the newborns hospitalized in NICU

VIII. Publications

Articles

1. 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. *Front Immunol*. 2017 Nov 7; 8:1486. doi: 10.3389/fimmu.2017.01486. eCollection 2017.
2. Raeissadat SA, Babae M, Rayegani SM, Hashemi Z, **Hamidieh AA**, Mojgani P, Fouladi Vanda H. An overview of platelet products (PRP, PRGF, PRF, etc.) in the Iranian studies. *Future Sci OA*. 2017 Jul 28; 3(4):FSO231. doi: 10.4155/fsoa-2017-0045. eCollection 2017 Nov.
3. Amirfiroozy A, **Hamidieh AA**, Golchehre Z, Rezamand A, Yahyaei M, Beiranvandi F, Amirfiroozy S, Keramatipour M. A Novel Mutation in SNX10 Gene Causes Malignant Infantile Osteopetrosis. *Avicenna J Med Biotechnol*. 2017 Oct-Dec; 9(4):205-208.
4. Badalzadeh M, Tajik S, Fazlollahi MR, Houshmand M, Fattahi F, Alizadeh Z, Movahedi M, Adab Z, Khotaei GT, **Hamidieh AA**, Heidarnazhad H, Pourpak Z. Three novel mutations in CYBA among 22 Iranians with

- Chronicgranulomatous disease. *Int J Immunogenet.* 2017 Dec; 44(6):314-321. doi: 10.1111/iji.12336. Epub 2017 Sep 20.
5. Abolhassani H, Chou J, Bainter W, Platt C, Tavassoli M, Momen T, Tavakol M, Eslamian MH, Gharagozlou M, Movahedi M, Ghadami M, **Hamidieh AA**, et al. Clinical, immunologic, and genetic spectrum of 696 patients with combined immunodeficiency. *J Allergy Clin Immunol.* 2017 Sep 12. pii: S0091-6749(17)31436-7. doi: 10.1016/j.jaci.2017.06.049. [Epub ahead of print]
 6. **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. *Biol Blood Marrow Transplant.* 2017 Dec; 23(12):2110-2117. doi: 10.1016/j.bbmt.2017.08.036. Epub 2017 Sep
 7. Wong JKL, Mohseni R, **Hamidieh AA**, MacLaren RE, Habib N, Seifalian AM. Limitations in Clinical Translation of Nanoparticle-Based Gene Therapy. *Trends Biotechnol.* 2017 Dec; 35(12):1124-1125. doi: 10.1016/j.tibtech.2017.07.009. Epub 2017 Aug 17.
 8. Hashmi SK, Srivastava A, Rasheed W, Adil S, Wu T, Jagasia M, Nassar A, Hwang WYK, **Hamidieh AA**, Greinix HT, Pasquini MC, Apperley JF, Aljurf M. Cost and quality issues in establishing hematopoietic cell transplant program in developing countries. *Hematol Oncol Stem Cell Ther.* 2017 Jul 14. pii: S1658-3876(17)30055-9. doi: 10.1016/j.hemonc.2017.05.017. [Epub ahead of print]
 9. Yazdani R, Abolhassani H, Tafaroji J, Azizi G, Hamidieh AA, Chou J, Geha RS, Aghamohammadi A. Cernunnos deficiency associated with BCG adenitis and autoimmunity: First case from the national Iranian registry and review of the literature. *Clin Immunol.* 2017 Oct; 183:201-206. doi: 10.1016/j.clim.2017.07.007. Epub 2017 Jul 17.
 10. 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. *Pediatr Transplant.* 2017 Aug; 21(5). doi: 10.1111/ptr.12981. Epub 2017 Jun 14.
 11. Salehi M, Naseri-Nosar M, Ebrahimi-Barough S, Nourani M2, Khojasteh A, **Hamidieh AA**, Amani A, Farzamfar S, Ai J. Sciatic nerve regeneration by transplantation of Schwann cells via erythropoietin controlled-releasing polylactic acid/multiwalled carbon nanotubes/gelatin nanofibrils neural guidance conduit. *J Biomed Mater Res B Appl Biomater.* 2017 Jul 4. doi: 10.1002/jbm.b.33952. [Epub ahead of print]

12. Sayad A, Hajifathali A, **Hamidieh AA**, Roshandel E, Taheri M. HOTAIR Long Noncoding RNA is not a Biomarker for Acute Myeloid Leukemia (AML) in Iranian Patients. *Asian Pac J Cancer Prev*. 2017 Jun 25;18(6):1581-1584.
13. 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. *J Immunother*. 2017 Sep; 40(7):265-276. doi: 10.1097/CJI.0000000000000179.
14. Fazlollahi MR, Pourpak Z, **Hamidieh AA**, Movahedi M, Houshmand M, Badalzadeh M, Nourizadeh M, Mahloujirad M, Arshi S, Nabavi M, Gharagozlou M, Khayatizadeh A, Dabbaghzade A, Atarod L, Zandieh F, Sadeghi Shabestary M, Mesdaghi M, Mohammadzadeh I, Mahdavian SA, Eslamian MH, Pesaran F, Bahraminia E, Abolnezhadian F, Arij Z, Moin M. Clinical, Laboratory, and Molecular Findings for 63 Patients with Severe Combined Immunodeficiency: A Decade's Experience. *J Investig Allergol Clin Immunol*. 2017; 27(5):299-304. doi: 10.18176/jiaci.0147. Epub 2017 Mar 7
15. Wong JK, Mohseni R, **Hamidieh AA**, MacLaren RE, Habib N, Seifalian AM. Will Nanotechnology Bring New Hope for Gene Delivery? .2017 May; 35(5):434-451. doi: 10.1016/j.tibtech.2016.12.009. Epub 2017 Jan 18.
16. Seyedifar M, Dorkoosh FA, **Hamidieh AA**, Naderi M, Karami H, Karimi M, et al. Health-Related Quality of Life and Health Utility Values in Beta Thalassemia Major Patients Receiving Different Types of Iron Chelators in Iran. *International Journal of Hematology-Oncology and Stem Cell Research*. 2016 Oct 1; 10(4):224-231.
17. 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.
18. Hussein AA, **Hamidieh AA**, Elhaddad A, Ramzi M, Othman TB, Hussain F, 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 Transplant*. 2017 Jan;52(1):120-125. doi: 10.1038/bmt.2016.209. Epub 2016 Sep 12.
19. **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.

20. Saghafi S, Pourpak Z, Nussbaumer F, Fazlollahi MR, Houshmand M, **Hamidieh AA**, Bemanian MH, et al. DOCK8 deficiency in six Iranian patients. *Clinical Case Reports*. 2016 May 17; 4(6):593-600. doi: 10.1002/ccr3.574. eCollection 2016.
21. Hosseini S, Ansari S, Vosough P, Bahoush G, **Hamidieh AA**, Chahardouli B, et al. Bilateral Maxillary, Sphenoid Sinuses and Lumbosacral Spinal Cord Extramedullary Relapse of CML Following Allogeneic Stem Cell Transplant. *International Journal of Hematology-Oncology and Stem Cell Research*. 2016 Apr 1; 10(2):106-10.
22. **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.
23. Taghizade Mortezaee F, Esmaeli B, Badalzadeh M, Ghadami M, Fazlollahi MR, Alizade Z, **Hamidieh AA**, Chavoshzadeh Z, et al. Investigation of ITGB2 gene in 12 new cases of leukocyte adhesion deficiency-type I revealed four novel mutations from Iran. *Archives of Iranian Medicine*. 2015 Nov; 18(11):760-4. doi: 0151811/AIM.006.
24. Aljurf M, Nassar A, **Hamidieh AA**, Elhaddad A, Hamladji RM, Bazarbachi A, et al. Hematopoietic stem cell transplantation in the Eastern Mediterranean Region (EMRO) 2011-2012: A comprehensive report on behalf of the Eastern Mediterranean Blood and Marrow Transplantation group (EMBT). *Hematology Oncology and Stem Cell Therapy*. 2015 Dec; 8(4):167-75. doi: 10.1016/j.hemonc.2015.09.002.
25. **Hamidieh AA**, Sherafatmand M, Mansouri A, Hadjibabaie M, Ashouri A, Jahangard-Rafsanjani Z, Gholami K, Javadi MR, Ghavamzadeh A, Radfar M. Calcitriol for Oral Mucositis Prevention in Patients With Fanconi Anemia Undergoing Hematopoietic SCT: A Double-Blind, Randomized, Placebo-Controlled Trial. *American Journal of Therapeutics*. 2016 Nov/Dec; 23(6):e1700-e1708.
26. Ashouri A, **Hamidieh A.A**, Mahmoodi M, Mohammad K, Hadjibabaie M, Zeraati H, Karimi A, Ghavamzadeh A. Application of the Multiplicative-Additive Model in the Bone Marrow Transplantation Survival Data Including Competing Risks. *Iranian Journal of Public Health*. 2015 Apr; 44(4):543-50.
27. 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.
28. **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.
29. 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 and Cancer*. 2015 Mar 27. doi: 10.1002/pbc.25524.
30. Hajimahmoodi M, Hadjibabaie M, **Hamidieh AA**, Ahmadvand A, Kazempanah S, Sadeghi N, Mansouri A, Ghavamzadeh A. Is supplementation efficacious in maintaining adequate plasma levels of vitamin a and e for thalassemic patients undergoing hematopoietic stem cell transplantation? A cross-sectional study. *Iranian Journal of Pediatrics*. 2014 Feb; 24(1):35-41.
31. Khansarinejad B, Soleimanjahi H, Mirab Samiee S, **Hamidieh AA**, Paryan M, Sanahmadi Y, Karami M, Mondanizadeh M. Monitoring human cytomegalovirus infection in pediatric hematopoietic stem cell transplant recipients: using an affordable in-house qPCR assay for management of HCMV infection under limited resources. *Transplant International*. 2015 May; 28(5):594-603. doi: 10.1111/tri.12545.
32. **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 Transplant*. 2015 Jan 26. doi:10.1038/bmt.2014.307.
33. **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.
34. **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.
35. **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.

36. **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.
37. **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.
38. Mohseni R, **Hamidieh AA**, Verdi J, Shoaee-Hassani A. Safe Transplantation of Pluripotent Stem Cell by Preventing Teratoma Formation. *J Stem Cell Res Ther*. 2014, 4:6.
39. **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.
40. **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/petr.12271.
41. **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.
42. **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.
43. Rasheed W, Ghavamzadeh A, Hamladji R, Ben Othman T, Alseraihy A, Abdel-Rahman F, Elhaddad A, Alabdulaaly A, Dennison D, Ibrahim A, Bazarbachi A, Bekadja MA, Mohamed SY, Adil SN, Ahmed P, Benchekroun S, Ramzi M, Jarrar M, Alimoghaddam K, Hussain F, **Hamidieh A**, Aljurf M. Hematopoietic stem cell transplantation practice variation among centers in the Eastern Mediterranean Region (EMRO): Eastern Mediterranean Bone Marrow

Transplantation (EMBT) group survey. *Hematol Oncol Stem Cell Ther.* 2013 Mar; 6(1):14-9. doi: 10.1016/j.hemonc.2013.04.001.

44. **Hamidieh AA**, Pourpak Z, Hamdi A, Nabavi M, Ghavamzadeh A. Successful fludarabine-based hematopoietic stem cell transplantation in a pediatric patient with idiopathic CD4+ lymphocytopenia. *Pediatr Transplant.* 2013 Apr 14. doi: 10.1111/ptr.12086.
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 Mar 31.
46. Ayas M, Nassar A, **Hamidieh AA**, Kharfan-Dabaja M, Othman TB, Elhaddad A, Seraihy A, Hussain F, Alimoghaddam K, Ladeb S, Fahmy O, Bazarbachi A, Mohamed SY, Bakr M, Korthof E, Aljurf M, Ghavamzadeh A. Reduced intensity conditioning is effective for hematopoietic SCT in dyskeratosis congenita-related BM failure. *Bone Marrow Transplant.* 2013 Apr 1.
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Abstracts

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Books

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3. **Hamidieh A.A**: ANEMIAS. 2006, Teimourzadeh pub.
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IX. Honors and Awards

1. Third Prize for Best Oral Presentation at 17th Congress of the Asia Pacific Blood and Marrow Transplantation October 26 – 28, 2012, Hyderabad, India.
2. Young Investigator Award for Best Scientific Presentation in Clinical Nuclear Medicine for “Autologous hematopoietic stem cell transplantation in patients with high risk neuroblastoma treated with/without 131I- MIBG” presented at 10th Asia Oceania Congress of Nuclear Medicine and Biology (AOFNMB). 16 - 20 May 2012, Tehran, Iran.
3. Outstanding Poster Award for "Treatment of Inborn Errors of Metabolism with Allogeneic Hematopoietic Stem Cell Transplantation" presented at The 16th Congress of the Asia Pacific Blood and Marrow Transplantation October 30 October - 2 November 2011, Sydney, Australia.
4. Selected as an "Exemplary Professor" of Shariati Hospital on Teacher's Appreciation Day, 2011.
5. Awarded Eleventh Avicenna Festival for Developing innovative procedures in the delivery of clinical services “Establish the Iranian Unrelated Bone Marrow Donor Registry”.Tehran University of Medical Sciences, 2010
6. ASBMT Young Investigator Award, ASBMT Tandem meetings, Feb. 24-28, 2010, Orlando, Florida
7. Outstanding Poster Award for "Hematopoietic stem cell transplantation in primary immunodeficiency disease: The Iranian Experience" presented at 14th Congress of Asia-pacific Blood and Marrow Transplantation , Aug. 27-29, 2009, Seoul, Korea
8. Awarded the Medical Book of the Year award, entitled ANEMIA, 2006
9. Honored as the best researcher, Shahid Beheshti University of Medical Sciences, 2006