



CURRICULUM VITAE

Amir Ali Hamidieh M.D.

I. Personal Data

Birth date: 23 Sep 1972
Place of birth: Tehran,
Hometown: Tehran
Citizenship: Iran
Nationality: Iranian
Marital status: Married
Phone: +98 21 61472396, +98 21 66915659
Fax: +98 21 66948444
Email address: aahamidieh@tums.ac.ir
Current position: Professor of Pediatric Hematology/Oncology and Stem Cell Transplantation, Tehran University of Medical Sciences
Work address: Pediatric Stem Cell Transplant Department Children's Medical Center, Qarib St, Keshavarz Blvd, Tehran 14194, Iran

II. Academic Appointments

2018-present Professor, Tehran University of Medical Sciences, Pediatric Stem Cell Transplant Department, Children's Medical Center

2012-2018 Associate Professor, 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, Tehran University of Medical Sciences, Hematology-Oncology and SCT Research Center, Shariati Hospital

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

IV. Board Certification

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

V. Administrative Positions

2025-present	Executive board member, School of Medicine, Tehran University of Medical Sciences
2024-present	Executive board member, Iran National Science Foundation
2023-present	Head, Pediatric Hematology / Oncology and Stem Cell Transplantation Department, Tehran University of Medical Sciences
2023-2025	Executive board member, University of Tehran, School of Medicine.
2021-present	Director, Gene, Cell & Tissue Institute, Tehran University of Medical Sciences
2020-2021	Director, Iranian Tissue Bank & Research Center, Tehran University of Medical Sciences.
2019-present	Founder and Director, Pediatric Cell & Gene Therapy Research Center, Tehran University of Medical Sciences

2018-present	Director, Innovation Center for Stem Cell and Regenerative Medicine, Tehran University of Medical Sciences
2017-present	Academic Board Member, Iranian Pediatric Hematology/Oncology, Minister of Health and Medical Education
2016-present	Executive board member, Iranian Food & Drug Administration (IFDA)
2016-present	Founder and 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
2015-2023	Chairman, National Council for Development of Stem Cell Sciences and Technologies
2015-present	Executive Board Member, Iranian National Stem Cell Donor Network (INSCDN)
2015-2016	Secretary General, Iranian National Stem Cell Donor Network (INSCDN), Iranian Ministry of Health and Medical Education
2015-2022	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
2014-2023	Executive Board Member, National Council for Development of Stem Cell Sciences and Technologies
2013-2024	Executive Board Member, Asia Pacific Blood and Marrow Transplantation Group (APBMT)
2012-present	Scientific Committee Member, Asia Pacific Blood and Marrow Transplantation Group (APBMT)
2011-2016	Secretary General, Iranian Society of Hematopoietic Stem Cell Transplantation (ISHSCT)
2011-2016	Board of Directors, Iranian Society of Hematopoietic Stem Cell Transplantation (ISHSCT)
2010-present	Representative of Eastern Mediterranean Blood and Marrow Transplantation Group, 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 **Founder and Director, Pediatric Stem Cell Transplantation Program,
Hematology-Oncology and SCT Research Center, Shariati Hospital
Tehran University of Medical Sciences**

VI. Memberships & Review for Journals

2019-present **Reviewer, Pediatric Working Party/ European Group for Blood and Marrow Transplantation, EBMT Annual Congress**

2018-present **Editorial Board, Bio Impacts Editorial**

2017-present **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 the Asia Pacific Blood and Marrow Transplantation Group, APBMT**

2010-present **Scientific Board of the 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 the 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 the Iranian Society of Pediatric Hematologists/Oncologists

2002-present Member of the Iranian Society of Pediatricians

VII. Research Projects (ongoing and finished)

1. Assessment of Pre-transplantation Blinatumomab Effects on Non-TBI HSCT Outcomes in Pediatric B-ALL.
2. Establishment of an allogeneic T lymphocyte bank with specificity against CMV, based on the prevalence of common HLA alleles in Iran.
3. Bioinformatics Analysis of Microarray Data to Identify Hub Genes as Biomarkers for Chronic Graft-Versus-Host Disease.
4. Iranian Non-Fanconi Inherited Bone Marrow Failure Syndromes Registration
5. The correlation between HLA class II mismatch and allograft survival in kidney transplant recipients: a systematic review.
6. Production of induced pluripotent stem cells and their differentiation towards Germ Cell-Like Cells.
7. A successful hematopoietic stem cell transplantation in a patient with Heimler syndrome: Case report.
8. Design and construction of a chimeric antigen receptor targeting CD19 with IL-15 gene and caspase 9 inducer suicide gene, and evaluation of its expression in NK cells isolated from umbilical cord blood cells.
9. Investigation of the relationship between KIR receptor profiles of donors and recipients in haploidentical transplants and transplant outcomes in patients registered at the Pediatric Center for Stem Cell Transplantation.
10. Design, Construction, and Evaluation of Dual-Targeting CARs Against CCR9 and CD7 Using Lentiviral Vector.
11. Design and Production of low-resolution HLA typing kit for A, B, C, DR, DQ loci.
12. Investigating the Therapeutic Potential and Disease Modeling of iPSC-Derived Cells in Leukemia: Current In Vitro and Clinical Trial Evidence.
13. Investigating the results of hematopoietic stem cell transplantation using a non-radiation preparation regimen in children with acute lymphoblastic leukemia with and without central nervous system involvement based on the HLA compatibility in patients who have been transplanted from September 2018 to June 2025 in the transplant department of the Children's medical center hospital.
14. Comparison and evaluation of the clinical outcomes in pediatric B-ALL patients who underwent non-TBI HSCT after receiving Blinatumomab.
15. Prognostic value of 131I-MIBG Scintigraphy in High-Risk Neuroblastoma on Outcomes After Autologous Stem Cell Transplantation and 131I-MIBG Therapy.
16. Design, manufacture, and commissioning of flow cytometry instrument (4 channels) and its consumables.
17. Acute Graft-versus-Host Disease Prediction in Pediatric Patients Following Allogeneic Hematopoietic Stem Cell Transplantation Using an Artificial Intelligence Model.
18. Comparison of the results of hematopoietic stem cell transplantation in children, allogeneic

- transplantation from fresh cell source with frozen (Cryopreserved).
19. Design and evaluation of anti-GD2 gamma delta CAR-T on a malignant neuroblastoma cell line.
 20. Comparing the efficacy and side effects of Romiplostim in thrombocytopenia caused by thrombocytopenic purpura of the immune system and thrombocytopenia caused by other diseases in children.
 21. Investigation of the safety of mesenchymal stem cells with the origin of menstrual blood in the treatment of grade IV GVHD resistant to steroids in children.
 22. Investigation of the level of toxicity of natural killer cells following inhibition of PD-1 and TIGIT receptors on AML cell line in laboratory conditions.
 23. In vitro phase of SMN1 gene replacement in fibroblastic cells of a patient with SMA type I lacking SMN expression.
 24. Making allogeneic platelet paste from umbilical cord blood and investigating its effect on treatment-resistant GVHD wounds of the oral cavity: a pilot clinical trial
 25. Implementation of a phase one clinical trial using pseudo-memory NK cells, along with determining the mismatch of KIR receptors from the second donor after haploidentical transplantation in children with AML.
 26. Investigating the therapeutic effect of Romiplostim in thrombocytopenia after hematopoietic stem cell transplantation in children
 27. Evaluation of the efficacy of T-cell receptor-based therapy in neuroblastoma
 28. Comparison of the results of hematopoietic stem cell transplantation in child patients who are candidates for allogeneic transplantation from fresh and cryopreserved cell sources.
 29. Beta thalassemia gene therapy (first phase): construction of an efficient lentivirus construct carrying the human beta globin gene and its transduction into CD34 stem cells isolated from thalassemia major patients
 30. Evaluation of the effectiveness of ruxolotinib in treatment-resistant acute gastrointestinal GVHD after hematopoietic stem cell transplantation in children
 31. Investigating the effect of cytomegalovirus infection and its treatment on the complications and outcome of transplantation after hematopoietic stem cell transplantation in children
 32. Preclinical investigation of the effect of miR-326 and miR-328 on the expression of Granzyme B, perforin, and the cytotoxic function of NK cells in Wilms tumor
 33. Genetic modification of the LAD-1 gene by high-fidelity CRISPR-Cas9 using the HDR method in human hematopoietic stem cells (HSC)
 34. Investigating factors related to hemorrhagic cystitis and its prognosis after hematopoietic stem cell transplantation in children
 35. Implementation of a phase one clinical trial using pseudo-memory NK cells, along with determining the mismatch of KIR receptors from the second donor after haploidentical transplantation in children with AML
 36. Investigating the effect of Plerixafor on the release of hematopoietic stem cells(+CD34) in children with neuroblastoma who are candidates for autologous hematopoietic stem cell transplantation
 37. Investigation of the relative frequency of acute kidney injury with urine NGAL and serum creatinine indicators in the diagnosis of acute kidney injury after hematopoietic stem cell transplantation in the children's medical center from March 2021 to March 2022

38. Comparison of the prevalence of complications and prognosis of allogeneic hematopoietic stem cell transplantation before and after the COVID-19 pandemic (from September 2014 to March 2015) in Children's Medical Center
39. Investigating survival rate and incidence of GVHD in children receiving T-globulin 25as an immunosuppressive agent during hematopoietic stem cell transplantation
40. Determining the effectiveness of photopheresis using cryopreservation in the treatment of GvHD resistant to steroids in children
41. Establishing an HLA biobank of brain-dead organ donors and evaluation of HLA compatibility between donors and recipients
42. Safety assessment of the CD19 CAR T cell on the B cell acute lymphoblastic leukemia in pediatric patients
43. Iranian Fanconi Anemia Registry
44. Clinical trial phase I and II of allogenic NK cells in Coronavirus Pneumonia patients, interventional, both sides blind, open-label, randomized
45. Evaluation of Safety and Effectiveness of Allogeneic Adipose-Derived Mesenchymal Stem Cells in Bronchiolitis Obliterans Syndrome (BOS) after Allogeneic Hematopoietic Stem Cell Transplantation
46. HCL aerosols effect study on alveolar epithelial cells infected by COVID-19 and side effects evaluation thereof on the rabbit animal model
47. 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 Randomized Clinical Trial (Pilot study)
48. A Randomized Clinical Trial Phase I- & II of III-Times Intrathecal Injections of Umbilical Cord Derived Mesenchymal cells in Children with Spastic Cerebral Palsy
49. Determining optimum operating conditions of rotational blood component separator
50. Wharton's Jelly Derived-Mesenchymal Stem Cells Transplantation in Pediatric Patients with Non-Ischemic Dilated Cardiomyopathy
51. Efficacy of Chimeric Antigen Receptor Modified Umbilical Cord Blood Natural Killer Cells for the Immunotherapy of Acute Lymphoblastic Leukemia
52. Developing Cancer Treatment Strategies based on activation of intratumoral immunity via mRNA technology
53. The Safety Evaluation of Ex vivo Activated Haploidentical Natural Killer Cells (NK) in Recurrent Glioblastoma Multiform patients (Clinical Trial Phase I)
54. Measurement of blood levels of D-dimer and CRP in brain-dead patients and the effect of a therapeutic dose of heparin on organ receptors in these patients
55. Investigate the relationship between RDW and the Prognosis of brain death and cardiac death
56. Evaluation and standardization of fresh osteochondral allograft scaffolds for irreversible cartilage defect in vitro and in vivo studies
57. Evaluation of the effect of stromal vascular fraction (SVF) and allogeneic fibroblasts on diabetic wound healing in a rat model: A comparison in terms of wound closure rate and histopathological examination in terms of epithelialization and angiogenesis
58. Isolation, characterization, and standard storage of Research Degree Adipose Tissue-Derived Mesenchymal Stem Cells (ADMSCs) of Brain Death patients for commercialization
59. 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

60. The effect of Peripheral blood NK Cell–activated with Exosomes in a mouse model of Wilms' tumor
61. Immune Cell Therapy Using WT1-Specific Human Cytotoxic T Cells for WT1+WilmsTumor Bearing Immunodeficient Mice
62. Therapeutic effect of unrestricted somatic stem cells (USSC) in the sepsis animal model
63. Posterior reversible encephalopathy syndrome after hematopoietic stem celltransplantation in pediatric patients
64. Human β globin gene editing with application of CRISPR/Cas9 system in hematopoietic stem cells aimed at the cure of β thalassemia and sickle cell anemia
65. Induced hemorrhagic cystitis with cyclophosphamide in rats
66. Tissue engineering of ovine heart by GFP-positive newborn rat cells seeding on the acellular myocardial flap using a novel combined bioreactor
67. Comparison of cell expansion and cell transduction methods for the generation of efficient chimeric receptor antigen T cells
68. Tissue engineering of ovine heart by GFP-positive newborn rat cells seeding on the acellular myocardial flap using a novel combined bioreactor
69. Therapeutic potential of exosomes generated from human embryonic stem cell-derived Mesenchymal Stromal Cells in liver injury model
70. Effectiveness of allogeneic adipose-derived mesenchymal stem cells (ADMSCs) in the phenotypic changes of Werdnig-Hoffman patients
71. Effectiveness of Natural Killer cells treated with interleukin-2 for therapy in Neuroblastoma mouse Model
72. Induced hemorrhagic cystitis with cyclophosphamide in rats
73. Long-term outcomes of fludarabine, melphalan, and anti-thymocyte globulin as a reduced-intensity conditioning regimen for hematopoietic stem cell transplantation in children with primary immunodeficiency disorders
74. Hematopoietic stem cell transplantation among Diamond Blackfan Anemia patients applying Busulfan plus Cyclophosphamide \pm rATG
75. Investigation of novel mutations in patients with leukocyte adhesion deficiency-type I, Wiskott-Aldrich, DOCK8 deficiency, Severe congenital neutropenia
76. Oral mucositis prevention in patients with Fanconi Anemia undergoing Stem Cell Transplantation
77. Hematopoietic stem cell transplantation results in pediatric acquired severe aplastic anemia: Stem cell source perspective.
78. Plasma levels of vitamin A and E for thalassemic patients undergoing hematopoietic stem cell transplantation
79. Comparison of the results of one-locus HLA-mismatched Stem Cell Transplantation from relative Donors with HLA full-matched relative donors
80. Malignant infantile osteopetrosis skeletal changes following hematopoietic stem cell transplantation.
81. Extended family search: Efficiency of allogeneic stem cell transplantation from HLA fully-matched non-sibling relatives

82. Comparing the results of hematopoietic stem cell transplantation using a preparative regimen without TBI in patients with acute lymphoblastic leukemia with and without centralnervous system involvement
83. Elastography assessment of liver iron overload in patients with thalassemia major afterstem-cell transplantation
84. Allogeneic Hematopoietic Stem Cell Transplantation for Patients with Hereditary Bone Marrow Failure Syndromes
85. Impact of Beta-Globin Mutations on Outcome of Hematopoietic Stem Cell Transplantation for Patients with Beta-Thalassemia Major
86. Reduced-intensity conditioning regimen for Hematopoietic Stem Cell Transplantationin primary hemophagocytic lymphohistiocytosis
87. Non-TBI Hematopoietic Stem Cell Transplantation in Pediatric Leukemia Patients
88. Evaluation of the benefit and side effects of double-unit umbilical cord blood stem cell transplantation in hematologic malignancies with non-TBI regimen
89. Bone mineral density in ex-thalassemic pediatric patients
90. Study of minor histocompatibility matching with recipients between HLA-identical siblings and HLA-matched other related donors
91. Evaluation of the benefit and side effects of myeloablative regimen for the treatment of malignant Osteopetrosis
92. Evaluation of the benefit and side effects of myeloablative regimen for the treatment of malignant Mucopolysaccharidosis (MPS)
93. Iranian Stem Cell Donor Program
94. MRI T2* assessment of liver and heart iron overload in patients with thalassemia majorafter stem cell transplantation
95. Resilience, mental health, and quality of life in HSCT children's caregivers.
96. Daclizumab in children with corticosteroid-refractory gastrointestinal acute GVHD
97. Hepatocytes of donor origin in the recipient liver of class III beta thalassemia major patients who had undergone co-transplantation of Stem cells and mesenchymal progenitor cells
98. Evaluation of benefits and side effects of 131I-MIBG in combination with myeloablative chemotherapy and autologous bone marrow transplantation for the treatmentof high-risk neuroblastoma
99. Reduced-intensity conditioning hematopoietic stem Cell Transplantation for pediatric patients with primary immunodeficiencies
100. Treatment of children suffering from CML: comparison of the results of treatment withimatinib mesylate and HSCT
101. Lorazepam for seizure prophylaxis during high-dose busulfan administration in children undergoing bone marrow transplantation
102. Quantitation of human cytomegalovirus DNA in plasma using an affordable in-house qPCR assay
103. Busulfan-based stem cell transplantation without total body irradiation in Fanconi anemia patients
104. Prevalence of hypoparathyroidism and hypothyroidism in major thalassemia patients
105. Prevalence of zinc and copper deficiency in major thalassemia patients
106. Prevalence of Helicobacter pylori infection in Pediatric chronic ITP

VIII. Publications

Articles

1. Saffar S, Ghiaseddin A, Irani S, **Hamidieh AA**. Optimization of In-Situ Exosome Enrichment Methodology On-a-Chip to Mimic Tumor Microenvironment Induces Cancer Stemness in Glioblastoma Tumor Model. *Cells*. 2025 May 6;14(9):676. doi: 10.3390/cells14090676. PMID: 40358200; PMCID: PMC12071966.
2. 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.
3. 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.
4. Ghasempour A, Mohseni R, Sharif PM, **Hamidieh AA**. Natural killer cell-based therapies in neuroblastoma. *Cell Immunol*. 2025 Jan; 407:104898. doi: 10.1016/j.cellimm.2024.104898. Epub 2024 Nov 28. PMID: 39631142.
5. Shayestehfar M, Taherkhani T, Jahandideh P, **Hamidieh AA**, Faramarzpour M, Memari A. Brain tumors and induced pluripotent stem cell technology: a systematic review of the literature. *Ann Med Surg (Lond)*. 2025 Jan 9;87(1):250-264. Doi: 10.1097/MS9.0000000000002760. PMID: 40109603; PMCID: PMC11918708.
6. Robat-Jazi B, Mahalleh M, Dashti M, Nejati N, Ahmadpour M, Alinejad E, Mohammadi S, Lorestani P, **Hamidieh AA**, Habibi MA, Jadidi-Niaragh F. A Systematic Review and Meta-analysis on the Safety and Efficacy of CAR T Cell Therapy Targeting GPRC5D in Patients with Multiple Myeloma: A New Insight in Cancer Immunotherapy. *Anticancer Agents Med Chem*. 2025 Jan 30. doi: 10.2174/0118715206350342241224073809. Epub ahead of print. PMID: 39901537.
7. Alamdar N, Farivar S, Baghaei K, **Hamidieh AA**, Soltaninejad H, Aghdaei HA, Zali MR, Saltanatpour Z. Effect of Pioglitazone and Cetuximab on Colon Cancer Stem-like Cell (CCSLCs) Properties. *Curr Stem Cell Res Ther*. 2025;20(1):83-90. doi: 10.2174/011574888X283318240118111822. PMID: 38303523.
8. Jafari L, Hematyar F, Karamlou Y, Alipour N, Mohseni R, Jafari F, Nikfetrat Z, Behfar M, **Hamidieh AA**. Success 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.
9. Sohoulhi MH, 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.

10. Mohseni R, Mahdavi Sharif P, Khosravi A, Taheri AR, Behfar M, Zarrabi M, Jafari L, Jafari F, Nikfetrat Z, Naji P, **Hamidieh AA**. The Application of Umbilical Cord Blood-derived Platelet Gel for Skin Ulcers Associated with Chronic Graft-Versus-Host Disease in Pediatrics: A Randomized Trial. *Transplant Cell Ther.* 2024 Jul;30(7): 694.e1-694.e10. doi: 10.1016/j.jct.2024.04.013. Epub 2024 Apr 24. PMID: 38663767.
11. Maleki M, Dehghan Nayeri N, **Hamidieh AA**, Pouraboli B, Mardani A. Harmony in hardship: Unveiling parental coping strategies with the challenges of a child's hematopoietic stem cell transplantation. *J Pediatr Nurs.* 2024 Jul-Aug;77: e202-e210. doi: 10.1016/j.pedn.2024.04.030. Epub 2024 Apr 16. PMID: 38616142.
12. Hajimohammad Ebrahim-Ketabforoush M, Zali A, Shahmohammadi M, **Hamidieh AA**. Metformin and its potential influence on cell fate decision between apoptosis and senescence in cancer, with a special emphasis on glioblastoma. *Front Oncol.* 2024 Aug 29; 14:1455492. doi: 10.3389/fonc.2024.1455492. PMID: 39267853; PMCID: PMC11390356.
13. 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.
14. Tajik S, Fazlollahi MR, Alizadeh Z, Badalzadeh M, Houshmand M, Razaghian A, Bahram S, Molitor A, Carapito R, Shariat M, **Hamidieh AA**, et al. Early diagnosis of immunodeficient patients with partial albinism: The role of hair study and peripheral blood smear. *Pediatr Allergy Immunol.* 2024 Nov;35(11): e14264. Doi: 10.1111/pai.14264.
15. Moaveni, A. K., Seyed Taher, S. F., Ghavamzadeh, A., **Hamidieh, A. A.**, Kajbafzadeh, A.-M. The potential of uroflowmetry to predict and detect hemorrhagic cystitis following hematopoietic stem cell transplantation. *Journal of Pediatric Urology.* .2024 Nov. <https://doi.org/10.1016/j.jpuro.2024.11.003>
16. 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>
17. 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.
18. Mollapour Sisakht, M., Gholizadeh, F., Hekmatirad, S., Mahmoudi, T., Montazeri, S., Sharifi, L., Daemi, H., Romal, S., Yazdi, M. H., Faramarzi, M. A., Shahverdi, A. R., & **Hamidieh, A. A.** Cost-reduction strategy to culture patient-derived bladder tumor organoids. *Scientific Reports* 15, 4223. .2025 Feb. <https://doi.org/10.1038/s41598-024-70958-7>
19. Mohseni R, Mahdavi Sharif P, Behfar M, Shojaei S, Shoaee 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*. 14. 10.1038/s41598-024-70958-7.
20. Badalzadeh M, Soleimani Bavani M, Alizadeh Z, Mirmoghtadaei M, Shakerian L, Bahram S, Molitor A, Carapito R, Moradi L, Razaghian A, Assari R, Movahedi M, Shariat M, Houshmand M, Habibi L, **Hamidieh AA**, Ashrafi MR, Fazlollahi MR, Pourpak Z. Clinical Characterization and Mutation Analysis of 13 Iranian Ataxia Telangiectasia Patients: Introducing Two Novel Mutations. *Iran J Allergy Asthma Immunol*. 2025 Mar 10;24(2):187-197. doi: 10.18502/ijaai.v24i2.18147.
21. 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.
22. Bayegi SN, **Hamidieh AA**, 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*. 2024;24(2):265-272. doi: 10.2174/1871530323666230801100113. PMID: 37526450.
23. 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>.
24. Khoshandam M, Soltaninejad H, **Hamidieh A.A.**, Hosseinkhani S. CRISPR, CAR-T, and NK: Current applications and future perspectives. *GenesDis*. 2023 Sep 19;11(4):101121. doi: 10.1016/j.gendis.2023.101121.
25. 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.
26. Maleki M, Dehghan Nayeri N, **Hamidieh A.A.**, Pouraboli B. Parents' experiences of living with a child with cancer undergoing hematopoietic stem cell transplantation: a qualitative content analysis study. *Front Psychol*. 2024 Mar 12; 15:1359978. Doi: 10.3389/fpsyg.2024.1359978.
27. Alamdar N, Farivar Sh , Baghaei K, **Hamidieh A.A.**, et.al Effect of Pioglitazone and Cetuximab on Colon Cancer Stem-like Cell (CCSLCs) Properties. *Curr Stem Cell Res Ther* 2024Jan31. doi:10.2174/011574888X283318240118111822.
28. Parvini N, Esmail Akbari M, **Hamidieh A.A.**, et.al CTLA-4 Blockade of Natural Killer Cells Increases Cytotoxicity against Acute Lymphoid Leukemia Cells Neda. *Cell J*. 2024 Feb 1;26(2):150-157. doi: 10.22074/cellj.2024.2015187.1444.

29. Ansari F, Behfar M, Jafari J, Mohseni R, Naji P, Karamlou Y, Hossein Amirzade-Iranaq M, **Hamidieh A.A.** A comprehensive comparison between TBI vs non-TBI-based 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. E pub 2023 Oct 28.
30. Maleki M, Dehghan Nayeri N, **Hamidieh A.A.**, et.al. Harmony in hardship: Unveiling parental coping strategies with the challenges of a child's hematopoietic stem cell transplantation. *J Pediatr Nurs.* 2024 Apr 13: S0882-5963(24)00148-9. doi: 10.1016/j.pedn.2024.04.030.
31. Kashani Khatib Z, Maleki A, Pourfatollah A.A, **Hamidieh A.A.**, Ferdowsi Sh, Antileukemia Activity of Human Natural Killer Cell-Derived Nano magic Bullets against Acute Myeloid Leukemia (AML). *International Journal of Hematology-Oncology and Stem Cell Research.* Vol 18 No 2 (2024)
32. Mohajeri-Tehrani M.R, Alemzadeh S.A, Abbaszadeh Marzbali F, Nasserisina S, Hosnan F, Naghghash A, **Hamidieh A.A.**, Behfar M, et.al. How Age, Sex and Transfusion Affects the Incidence of Endocrine and Bone Density Disorders in Major Thalassemic Patients. *Iranian Journal of Public Health.* Vol 53 No 2 (2024), <https://doi.org/10.18502/ijph.v53i2.14928>
33. Mahbubi R, Yousefi N, **Hamidieh A.A.**, Gholizadeh F, Mollapour Sisakht M. Tumor Organoid as a Drug Screening Platform for Cancer Research. *Curr Stem Cell Res Ther.* 2023 Oct 6. DOI: 10.2174/011574888X268366230922080423. Online ahead of print.
34. 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.
35. Yk Hwang W, Takahashi S , Choi B , Huang H, Kawamata Sh , Chin Ng S , Gupta P , **Hamidieh A.A.** , Koaykul C, Irawan C , Srivastava A. Challenges in Global Access to CAR-T cells: an Asian Perspective. *Blood Cell Ther.* 2023 Dec 28;7(1):10-13. DOI: 10.31547/bct-2023-023.
36. Borghei Y.S., **Hamidieh A.A.**, Lu Y, Hosseinkhani S. Organic–inorganic hybrid nanoflowers as a new biomimetic platform for ROS-induced apoptosis by photodynamic therapy. *European Journal of Pharmaceutical Sciences* August 2023, 106569.
37. 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.
38. 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.

39. Fazlollahi M.R, **Hamidieh A.A**, et al. Clinical and immunological characteristics of 69 leukocyte adhesion deficiency-I patients. Volume34, Issue7 July 2023 e13990.
40. Monzavi S.M, **Hamidieh A.A**, Vasei M, et.al. Cytotoxicity of WT1-reactive T cells against Wilms tumor: An implication for antigen-specific adoptive immunotherapy. BioImpacts, 2023, x(x), Doi: 10.34172/bi.2023.27576
41. 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.
42. Shayan A.N, Behfar M, Shams Amiri R, Mohseni R, Azimi M, Firouzi J, Faranoush M, Izadpanah A.H, Mohmmad 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.
43. Badalzadeh M, Soleimani Bavani M, Alizadeh Z, Mirmoghtadaei M, Shakerian L, Bahram S, Molitor A, Carapito R, Moradi L, Razaghian A, Assari R, Movahedi M, Shariat M, Houshmand M, Habibi L, **Hamidieh A.A**, et al. Clinical Characterization and Mutation Analysis of 13 Iranian Ataxia-Telangiectasia Patients: Introducing Three Novel Mutations. 2023, doi.org/10.21203/rs.3.rs-2914441/v1.
44. Heidari F, Nasrollahzadeh Sabet M, Heidari R, **Hamidieh A.A**, Saltanatpour Z. Menstrual Blood-Derived Mesenchymal Stem Cell Therapy for Severe COVID-19 Patients, Curr Stem Cell Res Ther 2023. doi: 10.2174/1574888X18666230417085117.
45. 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.
46. 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.
47. 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.
48. 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:

49. 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.
50. Tajik Sh, Badalzadeh M, Houshmand M, Alizadeh Z, Moradi L, **Hamidieh A.A**, Shafiei AR, Ahmadiani Heris J, Bahram S. Molecular findings and clinical manifestations of 18 Iranian children with Griscelli syndrome type 2: Two novel homozygote mutations in the RAB27A gene in a patient. *Scandinavian Journal of Immunology*. 2023 <https://doi.org/10.1111/sji.13264>.
51. Averbuch D, de la Camara R, Tridello G, Knelange N.S, Bykova T.A, Ifversen M, Dobsinska V, Ayas M, **Hamidieh A.A**, et al. Risk factors for a severe disease course in children with SARS-COV-2 infection following hematopoietic cell transplantation in the pre-Omicron period: a prospective multinational Infectious Disease Working Party from the European Society for Blood and Marrow Transplantation group (EBMT) and the Spanish Group of Hematopoietic Stem Cell Transplantation (GETH) study. *Bone Marrow Transplantation*, 2023.Feb 27:1-9
52. Mansourabadi A.H, Khosroshahi L.M, Noorbakhsh F., **Hamidieh A.A**, Amirzargar Isolation and in vitro Expansion of Regulatory T Cells from β -Thalassemia Major Kids and in vitro Evaluation of Their Plasticity and Inhibitory Effects in the Presence of Pro-Inflammatory Cytokines. *International Archives of Allergy and Immunology*, 2023, 184(1), pp. 63–75
53. Khoshandam M, Soltaninejad H, Mousazadeh M, **Hamidieh A.A**, & Hosseinkhani S. Clinical applications of the CRISPR/Cas9 genome-editing system: Delivery options and challenges in precision medicine. *Genes & Diseases*. 2023 Mar 25. doi.org/10.1016/j.gendis.2023.02.027
54. Dehghani S, Pourhosein E, **Hamidieh AA**, Mansouri Z, Tirgar N, Namdar F, Ramezannezhad P, Jafarian A, Latifi M. Is there any relationship between red blood cell distribution width and Prognosis of brain death? *Caspian Journal of Internal Medicine*. . 2023 14(1), pp. 37–42.
55. Maryam M, T. Hedayati M, Davari AH, Jafarzadeh J, Nikmanesh B, **Hamidieh A.A**, et al. Evaluation of Candida colonization index, molecular identification, and antifungal susceptibility pattern of Candida species isolated from critically ill pediatric patients: a single-center study from Iran. *Current Medical Mycology* (2023).
56. Ahmed S.O, El Fakih R, Elhaddad A, **Hamidieh A.A**, et al. Strategic priorities for hematopoietic stem cell transplantation in the EMRO region. *Hematol Oncol Stem Cell Ther*. 2023 Apr 4;16(3):162-169. PMID: 34688625. DOI: 10.1016/j.
57. Mawardi H, Treister N, Felemban O, Alamoudi W, Algohary G, Alsultan A,

- Alshehri N, Tazi I, Shaheen M, Alsharani M, Alshemmari S, Arat M, Bekadja MA, Al-Khabori M, Okaily S, Ali N, Abujazar H, Jastaniah W, **Hamidieh AA**, Hashmi S, Aljurf M. Current practice of oral care for hematopoietic stem cell transplant patients: A survey of the Eastern Mediterranean Blood and Marrow Transplantation Group. *Hematol Oncol Stem Cell Ther.* 2023 Jan 12;16(1): 42-51. Doi: 10.1016/j.
58. Saadi M.I., Ahmadyan, M Jalali, H Noshadi, N Moradi, M Valandani, F.M. Kheradmand, N Rostamipour, H.A Hosseini, **Hamidieh A.A.**, and Khalafi-Nezhad A. Change in Programmed Death-1 And Inducible Costimulator Expression in Patients with Acute Myeloid Leukemia Following Chemotherapy and Its Cytogenetic Abnormalities. *Galen Medical Journal*, 2022, 11, pp. e2394-e2394.
 59. Samanipour, R., Pourmostafa, A., Marzban, A., Tabatabaee, S., Bahraminasab, H, **Hamidieh A.A.** and Tavakoli A. Injectable Collagen/CMC Soft Tissue Filler with Developed Flow Properties. *Molecular & Cellular Biomechanics*, 2022, 19(2), p.97
 - Iida, M., Liu, K., Huang, X.J., Depei, W., Kuwatsuka, Y., Moon, J.H., Dodds, A., Wilcox, L., Ko, B.S., **Hamidieh, A.A.**, and Ho, K.W. Trends in disease indications for hematopoietic stem cell transplantation in the Asia-Pacific region: A report of the Activity Survey 2017 from APBMT. *Blood Cell Therapy*, 2022, 5(4), pp.87-98.
 60. Behfar M, Mohammadnejad S, Abdolahi Sh, Mohseni R, Shoaee-Hassani AR, Monzavi S.M, **Hamidieh A.A.** Adoptive NK-cell transfer as a potential treatment paradigm for Wilms tumor: A preclinical study. *Pediatric Blood and Cancer*, Volume 69, August 2022, <https://doi.org/10.1002/pbc.29676>.
 61. Rajabzadeh AR, Rahbarizadeh F, **Hamidieh A.A.** Effect of Anti-CD3/CD28 Dyn beads and Allogeneic PBMCs on Expansion of Anti-MUC1 Chimeric Receptor T Cells. *Journal of Mazandaran University of Medical Sciences*, Volume 32, Issue 207 (4-2022) *J Mazandaran Univ Med Sci* 2022, 32(207):1-12.
 62. Mostafavi M, Ataei F, Hamidieh A.A, Hosseinkhani S, Mostafavi M, Ataei F, **Hamidieh A.A.**, Hosseinkhani S. Development of a bioluminescence assay for BIR2-caspase3 interaction through split luciferase complementary assay. *Biochemical Engineering Journal*, 2022, 186, 108584.
 63. Zarrabi M, Akbari MG, Amanat M, Majmaa A, Moaiedi AR, Montazerlotfelahi H, Nouri M, **Hamidieh AA**, Badv RS, et al. The safety and efficacy of umbilical cord blood mononuclear cells in individuals with spastic cerebral palsy: a randomized double-blind sham- controlled clinical trial. *BMC Neurol.* 2022 Mar 29;22(1):123. doi:10.1186/s12883-022-02636-y. PMID: 35351020.
 64. Niederwieser D, Baldomero H, Bazuaye N, Bupp C, Chaudhri N, Corbacioglu S, Elhaddad A, Frutos C, Galeano S, Hamad N, **Hamidieh AA**, Hashmi S, Ho A, Horowitz MM, et al. One and a half million hematopoietic stem cell transplants: continuous and differential improvement in worldwide access with the use of non-identical family donors, *aematologica*. *Haematologica.* 2022 May 1;107(5):1045-1053. doi: 10.3324/haematol.2021.279189.

65. Ghafouri-Fard S, Hussen BM, Pashmforoush S, Akbari MT, Arsang-Jang S, NazerN, **Hamidieh AA**, Hajifathali A, Dinger ME, Sayad A, Dehaghi MO. HLA alleles and haplotype frequencies in the Iranian population. *Hum Antibodies*. 2022;30(2):79-96.
66. Izady E, Saltanatpour Z, Liu LP, Alizadeh A, **Hamidieh AA**. Toward the In Vitro Production of Platelets from Induced Pluripotent Stem Cells. *Stem Cell Rev Rep*. 2022 Apr 9. doi: 10.1007/s12015-022-10366-4. PMID: 35397051
67. Ghaffari SR, Rafati M, Shadnoush M, Pourbabaee S, Aghighi M, Mirab Samiee S, Kermanchi J, Alaei MR, Salehpour S, Amirkashani D, Setoodeh A, Sarkhail P, Badv RS, Aminzadeh M, Shiva S, Eshraghi P, Moravej H, Hashemipour M, Rostampour N, **Hamidieh.AA**, et.al. Molecular characterization of a large cohort of mucopolysaccharidosis patients: Iran Mucopolysaccharidosis RE-diagnosis study (IMPRESSsion). *Hum Mutat*. 2022 Apr;43(4): e1-e23. doi: 10.1002/humu.24328.
68. Vaezi M, Souri M, Setarehdan SA, **Hamidieh AA**, Fazlollahi MR, Pourpak Z, Badalzadeh M, Tajik S, Mahdavian SA, Alimoghaddam K, Ghavamzadeh A. Afludarabine and melphalan reduced-intensity conditioning regimen for HSCT in fifteen chronic granulomatous disease patients and a literature review. *Ann Hematol*. 2022 Apr;101(4):869-880. doi: 10.1007/s00277-022-04751-9. Epub 2022 Jan 8. PMID: 34997850.
69. Iftikhar R, Ahmad P, de Latour R, Dufour C, Risitano A, Chaudhri N, Bazarbachi A, De La Fuente J, Höchsmann B, Osman Ahmed S, Gergis U, Elhaddad A, Halkes C, Albeirouti B, Alotaibi S, Kulasekararaj A, Alzahrani H, Ben Othman T, Cesaro S, Alahmari A, Rihani R, Alshemmari S, **Hamidieh AA**, Bekadja MA, et al. Correction to: Special issues related to the diagnosis and management of acquired aplastic anemia in countries with restricted resources, a report on behalf of the Eastern Mediterranean Blood and Marrow Transplantation (EMBT) Group and Severe Aplastic Anemia Working Party of the European Society for Blood and Marrow Transplantation (SAAWP of EBMT). *Bone Marrow Transplant*. 2022 Feb;57(2):331. doi: 10.1038/s41409-021-01534-0. PMID: 34931011.
70. Baseri N, Meysamie A, Campanile F, **Hamidieh AA**, Jafarian A. Bacterial contamination of bone allografts in the tissue banks: a systematic review and meta-analysis. *J Hosp Infect*. 2022 May; 123:156-173. doi: 10.1016/j.jhin.2021.10.020.
71. 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. *Hematol Transfus Cell Ther*. 2022 Feb 15: S2531-1379(22)00027- X. doi: 10.1016/j.htct.2022.01.007. PMID: 35256330.
72. Jafari L, Mohseni R, Barhoom D, Abou Fakher FH, 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. *Hematol Transfus Cell Ther*. 2022 May 6: S2531- 1379(22)00053-0. doi: 10.1016/j.htct.2022.03.003.
73. Willasch AM, Peters C, Sedláček P, Dalle JH, Kitra-Roussou V, Yesilipek A, Wachowiak J, Lankester A, Prete A, **Hamidieh AA**, Ifversen M, et al. EBMT Pediatric

Diseases Working Party. Correction: Myeloablative conditioning for allo-HSCT in pediatric ALL: FTBI or chemotherapy? a multicenter EBMT-PDWP study. *Bone Marrow Transplant.* 2021 Oct;56(10):2615. doi: 10.1038/s41409-021-01424-5.

74. Namdari H, Hosseini M, Yazdanifar M, Farajifard H, Parvizpour F, Karamigolbaghi M, **Hamidieh AA**, Rezaei F. Protective and pathological roles of regulatory immune cells in human cytomegalovirus infection following hematopoietic stem cell transplantation. *Rev Med Virol.* 2022 Jul;32(4): e2319. doi: 10.1002/rmv.2319. Epub 2021 Dec 16. PMID: 34914147.
75. Ahmed SO, El Fakih R, Elhaddad A, **Hamidieh AA**, et al. Strategic priorities for hematopoietic stem cell transplantation in the EMRO region. *Hematol Oncol Stem Cell Ther.* 2021 Oct 18: S1658-3876(21)00090-X. doi: 10.1016/j.hemonc.2021.09.006.
76. Izadirad M, Huang Z, Jafari F, **Hamidieh AA**, Gharehbaghian A, Li YD, Jafari L, Chen ZS. Extracellular Vesicles in Acute Leukemia: A Mesmerizing Journey with a Focus on Transferred microRNAs. *Front Cell Dev Biol.* 2021 Oct 6;9: 766371. doi: 10.3389/fcell.2021.766371. eCollection 2021.
77. **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 Pediatr (Torino).* 2021 Oct;73(5):414-419. doi: 10.23736/S2724-5276.16.04553-9.
78. 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. *J Pediatr Hematol Oncol.* 2021 Dec 22. doi: 10.1097/MPH.0000000000002374. PMID: 34935
79. Rajabzadeh A, **Hamidieh AA**, Rahbarizadeh F. Spinoculation and retronectin highly enhance the gene transduction efficiency of Mucin-1-specific chimeric antigen receptor (CAR) in human primary T cells. *BMC Mol Cell Biol.* 2021 Nov 23;22(1):57. Doi: 10.1186/s12860-021-00397-z.
80. Ghamari A, Pakzad P, Majd A, Ebrahimi M, **Hamidieh AA**. Design and Production of an Effective Bispecific Tandem Chimeric Antigen Receptor on T Cells against CD123 and Folate Receptor β towards B-Acute Myeloid Leukaemia Blasts. *Cell J.* 2021 Nov;23(6):650-657. doi: 10.22074/cellj.2021.7314. Epub 2021 Nov 23. PMID: 34939758.
81. Esfandbod M, Enshaei M, Monzavi SM, Kabootari M, Behfar M, **Hamidieh AA**. Radiation-Free myeloablative allogeneic hematopoietic stem cell transplantation for adult acute lymphoblastic leukemia: A comparison of outcomes between patients with and without central nervous system involvement. *Leuk Res.* 2021 Dec;111: 106703. doi: 10.1016/j.leukres.2021.106703. Epub 2021 Sep 14. PMID: 34534907.
82. Alamdar N, Baghaei K, Farivar SH, **Hamidieh A.A**, Saltanatpour Z. Study of the effect of Pioglitazone and Cetuximab on Cancer Stem-like Cells enriched HT29. May 17th, 2021, DOI: <https://doi.org/10.21203/rs.3.rs-519047/v1>

83. Maleki A, Kashani Khatib Z, Alizadeh SH, **Hamidieh A.A**, Pourfatollah A.A. The Role of Exosomes in Myeloid and Lymphoid Blood Malignancies: A Systematic Review Article. Volume 15, Issue 2 (Jun & Jul 021) payavard 2021, 15(2): 142-155
84. Kheder M, Behfar M, Farajifard H, Ali T, Hkima Abou Fakher F, **Hamidieh A.A**. Fludarabine-based reduced-intensity conditioning regimen for hematopoietic stem cell transplantation in pediatric patients with IL10 receptor deficiency. 26 August 2021 <https://doi.org/10.1111/petr.13819>.
85. Amanat M, Majmaa A, Zarrabi M, Nouri M, Akbari MG, Moaiedi AR, Ghaemi O, Zamani F, Najafi S, Badv RS, Vosough M, **Hamidieh AA**, Salehi M, MontazerlotfelahiH, Tavasoli AR, Heidari M, Mohebi H, Fatemi A, Garakani A, Ashrafi MR. Clinical and imaging outcomes after intrathecal injection of umbilical cord tissue mesenchymalstem cells in cerebral palsy: a randomized double-blind sham-controlled clinical trial. Stem Cell Res Ther. 2021 Aug 6;12(1):439. doi: 10.1186/s13287-021-02513-4.
86. 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. Pediatr Transplant. 2021 Jul 24: e14089. doi: 10.1111/petr.14089.
87. 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 a reduced-intensityconditioning regimen. Hematol Oncol Stem Cell Ther. 2021 Jul 2: S1658- 3876(21)00059-5. doi: 10.1016/j.hemonc.2021.06.002.
88. Mohseni R, **Hamidieh AA**, Shoaee-Hassani A, Ghahvechi-Akbari M, Majma A, Mohammadi M, Nikougoftar M, Shervin-Badv R, Ai J, Montazerlotfelahi H, Ashrafi MR. An open-label phase 1 clinical trial of the allogeneic side population adipose-derived mesenchymal stem cells in SMA type 1 patients. Neurol Sci. 2021 May 25. doi: 10.1007/s10072-021-05291-2.
89. Ghazizadeh Esslami G, Mamishi S, Mahmoudi S, Navaeian A, Behfar M, **Hamidieh AA**, Alimadadi H, Mahmoudieh Y. COVID-19 in transplant recipient children: An Iranian referral hospital-based study. Acta Biomed. 2021 May 12;92(2): e2021095. doi: 10.23750/abm. v92i2.11189.
90. Barhoomand, R., Mohseni, R., **Hamidieh AA**, Mohammadpour M, Sharifzadeh M, NavaeianA, Taebi S, Behfar M. Clinical Effects of COVID-19 on Hematopoietic Stem Cell Transplant Outcomes in Pediatric Patients. Exp Clin Transplant. 2021 May;19(5):501-507. doi: 10.6002/ect.2020.0518.
91. Mawardi H, Treister N, Felemban O, Alamoudi W, Algohary G, Alsultan A, Alshehri N, Tazi I, Shaheen M, Alsharani M, Alshemmari S, Arat M, Bekadja MA, Al-Khabori M, Okaily S, Ali N, Abujazar H, Jastaniah W, **Hamidieh AA**, Hashmi S, Aljurf M. Current practice of oral care for hematopoietic stem cell transplant patients: A survey of the Eastern Mediterranean Blood and Marrow Transplantation Group. Hematology, Oncology, and Stem Cell Therapy. 2021 Feb 11: S1658-3876(21)00006-6. doi: 10.1016/j.hemonc.2021.01.006.

92. Soltaninejad H, Zare-Zardini H, Ordooei M, Ghelmani Y, Ghadiri-Anari A, Mojahedi S, **Hamidieh AA**. Antimicrobial Peptides from Amphibian Innate Immune System as Potent Antidiabetic Agents: A Literature Review and Bioinformatics Analysis. *J Diabetes Res*. 2021 Jun 29; 2021:2894722. Doi: 10.1155/2021/2894722. 2021.
93. Taheri M, Akbari M.T, Ostadali M, **Hamidieh A.A**, Fallah H, Shadnoush M, Arsang-Jang S, Ghafouri-Fard S, Sayad A. Assessment of association between HLA alleles and acquired aplastic anemia in Iranian population, *Ecological Genetics and Genomics*, 2021, 18, 100075.
94. Zare-Zardini H, Ferdosian F, Soltaninejad H, Zahedi M, Memarpour-Yazdi M, **Hamidieh A.A**, et al. antimicrobial peptides as potent compounds for the reduction of COVID-19 infection. *Bulletin of Pharmaceutical Sciences*, 2021, 44(1), pp. 243–252.
95. Mohseni R, **Hamidieh A.A**, Shoaee-Hassani A.R, Ghahvechi-Akbari M, Majma A, Mohammadi M, Nikougoftar M, Shervin-Badv R, Ai J, Montazerlotfelahi H, Ashrafi M.R. Clinical outcome of the Intrathecal administration of the allogeneic side population Adipose Derived Mesenchymal Stem Cells in Werdnig-Hoffman patients: An open-label Phase I. December 2020, DOI:10.21203/rs.3.rs-122983/v1.
96. Sadeghan AA, Soltaninejad H, Dadmehr M, **Hamidieh AA**, Asadollahi MA, Hosseini M, Ganjali MR, Hosseinkhani S. Fluorimetric detection of methylated DNA of Sept9 promoter by silver nanoclusters at intrastrand 6C-loop. *Spectrochim Acta A Mol Biomol Spectrosc*. 2021 Feb 15; 247:119081. doi: 10.1016/j.saa.2020.119081. Epub 2020 Oct 22.
97. Soltaninejad H, Zare-Zardini H, **Hamidieh A.A**, Sobhan M.R, Saeed-Banadaky S.H, Amirkhani M.A, Tolueinia B, Mehregan M, Mirakhor M, Eshaghi F.S. Evaluating the toxicity and histological effects of Al₂O₃ nanoparticles on bone tissue in animal model: A case-control study. *Journal of Toxicology* 2020, 2020, 8870530.
98. Nejad AR, **Hamidieh AA**, Amirkhani MA, Sisakht MM. Update review on the five top clinical applications of human amniotic membrane in regenerative medicine. *Placenta*. 2021 Jan 1; 103:104-119. Doi: 10.1016/j.placenta.2020.10.026.
99. Rostami T, Monzavi SM, Poustchi H, Khoshdel AR, Behfar M, **Hamidieh AA**. Analysis of determinant factors of liver fibrosis progression in ex-thalassemic patients. *Int J Hematol*. 2021 Jan;113(1):145-157. Doi: 10.1007/s12185-020-02998-4. Epub 2020 Oct 8.
100. Torkamaniha E, Amirkhani MA, Dahmardehei M, Rebulli P, Piccin A, Hortamani S, Heidari-Kharaji M, Mansouri P, **Hamidieh AA**, Nilforoushzadeh MA. Efficacy of allogeneic cord blood platelet gel on wounds of dystrophic epidermolysis bullosa patients after pseudo syndactyly surgery. *Wound Repair Regen*. 2021 Jan;29(1):134- 143. Doi: 10.1111/wrr.12865. Epub 2020 Oct 19.
101. Afshar L, Aghayan HR, Sadighi J, Arjmand B, Hashemi SM, Basiri M, Samani RO, Ashtiani MK, Azin SA, Hajizadeh-Saffar E, Gooshki ES, **Hamidieh AA**, Rezanian Moallem MR, Azin SM, Shariatinasab S, Soleymani-Goloujeh M, Baharvand H. Ethics of research on stem cells and regenerative medicine: ethical guidelines in the Islamic Republic of Iran. *Stem*

102. Sayad A, Akbari M.T, Ostadali M.R, **Hamidieh A.A**, et al. Comprehensive assessment of the association between HLA polymorphisms and acute leukemia in the Iranian population. April 2020. Gene Reports 19:100674. DOI: 10.1016/j.genrep.2020.100674.
103. Zare-Zardini H, Shanbedi M, Soltaninejad H, Mohammadzadeh M, Amiri A, **Hamidieh A.A**, Ferdosian F, Alemi A, Hosseinkhani S, Fesahat F, Astani A. The Effect of Temperature and Acidity on Antimicrobial Activities of Pristine MWCNTs and MWCNTs-Arg. Int. J. Nanosci. Nanotechnol. Vol. 12, No. 2, June 2020, pp. 127-136.
104. Alizadeh Z, Nabilou S, Mazinani M, Tajik Sh, **Hamidieh A.A**, Houshmand M, Fazlollahi M, Pourpak Z. Partial Albinism and Immunodeficiency in patients with Hermansky Pudlak Type II: introducing 2 novel mutations. September 2020. Scandinavian Journal of Immunology. DOI: 10.1111/sji.12966.
105. Zare-Zardini H, Alemi A, Taheri-Kafrani A, Hosseini SA, Soltaninejad H, **Hamidieh AA**, Haghi Karamallah M, Farrokhifar M, Farrokhifar M. Assessment of a New Ginsenoside Rh2 Nanoniosomal Formulation for Enhanced Antitumor Efficacy on Prostate Cancer: An in vitro Study. Drug Des Devel Ther. 2020 Aug 13; 14:3315-3324. Doi: 10.2147/DDDT.S261027.
106. 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 doi: 10.1016/j.bbmt.2020.08.021.
107. Zare-Zardini H, Soltaninejad H, Ferdosian F, **Hamidieh AA**, Memarpour-Yazdi M. Coronavirus Disease 2019 (COVID-19) in Children: Prevalence, Diagnosis, Clinical Symptoms, and Treatment. Int J Gen Med. 2020 Jul 28; 13:477-482. doi: 10.2147/IJGM.S262098. eCollection 2020.
108. Kheder M, Behfar M, Farajifard H, Ali T, Hkima Abou Fakher F, **Hamidieh AA**. Fludarabine-based reduced-intensity conditioning regimen for hematopoietic stem cell transplantation in pediatric patients with IL10 receptor deficiency. Pediatr Transplant. 2020 Aug 26; e13819. doi: 10.1111/ptr.13819. Online ahead of print.
109. Mahmoudi S, Pourakbari B, Sadeghi RH, **Hamidieh AA**, Safari Sharari A, Salajegheh P, Aziz-Ahari A, Mamishi S. High prevalence of latent tuberculosis in hematopoietic stem cell transplant recipients: A First Report. Pediatr Transplant. 2020 Sep;24(6): e13770. doi: 10.1111/ptr.13770. Epub 2020 Jun 23.
- Hosseini ES, Nikkhah M, **Hamidieh AA**, Fearnhead HO, Concordet JP, Hosseinkhani S. The Lumiptosome, an engineered luminescent form of the apoptosome can report cell death by using the same Apaf-1 dependent pathway. J Cell Sci. 2020 May 27; 133(10): jcs242636. doi: 10.1242/jcs.242636.
110. Rajabzadeh A, Rahbarizadeh F, Ahmadvand D, Kabir Salmani M, **Hamidieh AA**. A VHH-Based Anti-MUC1 Chimeric Antigen Receptor for Specific Retargeting of Human

Primary T Cells to MUC1-Positive Cancer Cells. *Cell J.* 2021 Jan;22(4):502- 513. doi: 10.22074/cellj.2021.6917. Epub 2020 Apr 22.

111. Vahidi M, Badalzadeh M, Jannesar M, Mazinani M, Fazlollahi MR, Khodayari Namini N, Houshmand M, **Hamidieh AA**, Moradi L, Pourpak Z, Moin M. Clinical and Genetic Analysis of Nine Suspected Familial Hemophagocytic Lymphohistiocytosis Patients for MUNC13-4 Deficiency and Introducing Four Novel Mutations in UNC13D. *Iran J Allergy Asthma Immunol.* 2019 Oct 23;18(5):487-492. doi: 10.18502/ijaai. v18i5.1911.
112. Sayad A, Dehaghi MO, Taheri M, Fallah H, Arsang-Jang S, Shadnoush M, Ghafouri-Fard S, **Hamidieh AA**. Identification of HLA-A/B/DRB1 alleles in Iranian patients with Fanconi anemia. *Hum Antibodies.* 2020;28(3):221-226. doi: 10.3233/HAB- 200410.
113. Sharifzad F, Mardpour S, Mardpour S, Fakharian E, Taghikhani A, Sharifzad A, Kiani S, Heydarian Y, Łos MJ, Azizi Z, Ghavami S, **Hamidieh AA**, Ebrahimi M. HSP70/IL-2 Treated NK Cells Effectively Cross the Blood Brain Barrier and Target Tumor Cells in a Rat Model of Induced Glioblastoma Multiforme (GBM). *Int J Mol Sci.* 2020 Mar 25;21(7):2263. doi: 10.3390/ijms21072263.
114. Andre Manfred W, Christina P, Petr S, Jean-Hugues D, Vassiliki Kitra-R, Akif Y, Jacek W, Arjan L, Arcangelo P, **Hamidieh A.A**, et al. Myeloablative conditioning for allo-HSCT in pediatric ALL: FTBI or chemotherapy? -A multicenter EBMT-PDWP study. *Bone Marrow Transplant.* 2020 Aug;55(8):1540-1551. doi: 10.1038/s41409-020-0854-0. Epub 2020 Mar 17.
115. AD Alahmari, M Aljurf, A Alseraihy, **A A Hamidieh**, S Alkindi, R Rihani, T Satti, W Jastaniah, H Alsaedi, F Almohareb, A Al-Jefri, W Rasheed. Hematopoietic stem cell transplantation for patients with sickle cell disease in the Eastern Mediterranean. *Hematol Oncol Stem Cell Ther.* 2020 Jun;13(2):106-110.
116. 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/turkjpmed.2019.03.013.
117. Nilforoushzadeh M.R., Amirkhani M.A., **Hamidieh A.A.**, M Seifalian A, Mollapour Sisakht M. Skin regenerative medicine advancements in the Islamic Republic of Iran: a concise review. *Regen Med.* 2019 Nov;14(11):1047-1056. Doi: 10.2217/rme-2018-0170.
118. Zarei-Behjani Z, Soleimani M, Atashi Z, Ebrahimi-Barough S, Ai J, **Hamidieh A.A**. Tracking of GFP-labeled unrestricted somatic stem cell transplanted in the sepsis mouse model. *Tissue Cell.* 2019 Oct; 60:33-37. doi: 10.1016/j.tice.2019.07.009. Epub 2019 Jul 31.
119. Maddah M, Fazlollahi MR, Shiari R, Shahram F, Mamishi S, Babaie D, Monajemzadeh M, Sotudeh S, **Hamidieh AA**, Badalzadeh M, Tajik S, Sedighipour L, Pourpak Z. Lupus Erythematosus and Chronic Granulomatous Disease: Report of Four Iranian Patients with AR-CGD and One XL-CGD. *Iran J Allergy Asthma Immunol.* 2019 Aug 17;18(4):452-458.
120. Mardpour S, **Hamidieh AA**. Adult-derived human liver stem/progenitor cells as sensors of inflammation: a potential therapy for liver disorders. *Hepatobiliary Surg Nutr.*

2019 Jun;8(3):286-288. doi: 10.21037/hbsn.2019.01.11.

121. Sharifzad F, Yasavoli-Sharahi H, Mardpour S, Fakharian E, Nikuinejad H, Heydari Y, Mardpour S, Taghikhani A, Khellat R, Vafaei S, Kiani S, Ghavami S, Łos M, Nouredini M, Ebrahimi M, Verdi J, **Hamidieh AA**. Neuropathological and genomic characterization of glioblastoma-induced rat model: How similar is it to humans for targeted therapy? *JCellPhysiol* 2019Dec;234(12): 22493- 22504. doi: 10.1002/jcp.28813.Epub 2019 May 23.
122. Aljurf M, Weisdorf D, Hashmi S, Nassar A, Gluckman E, Mohty M, Rizzo D, Pasquini M, Hamadani M, Saber W, Hari P, Kharfan-Dabaja M, Majhail N, Gerges U, **Hamidieh AA**, et al. Worldwide Network for Blood and Marrow Transplantation Recommendations for Establishing a Hematopoietic Stem Cell Transplantation Program in Countries with Limited Resources, Part II: Clinical, Technical, and Socioeconomic Considerations. *Biol Blood Marrow Transplant*. 2019 Dec;25(12):2330-2337. doi: 10.1016/j.bbmt.2019.04.012. Epub 2019 Apr 17.
123. Piccin A, Bacigalupo A, Zini G, **Hamidieh AA**, Bianchi M, Sica S, Valentini CG, Wolf D, Dazzi F, Fontanella F, Krampera M, Field S, Smith OP. Is platelet gel safe enough for neutropenic patients? *Transfus Apher Sci*. 2019 Apr;58(2):190-191. doi: 10.1016/j.transci.2019.02.004. Epub 2019 Mar 19.
124. Sharifzad F, Ghavami S, Verdi J, Mardpour S, Mollapour Sisakht M, Azizi Z, Taghikhani A, Łos MJ, Fakharian E, Ebrahimi M, **Hamidieh AA**. Glioblastoma cancerstem cell biology: Potential theranostic targets. *Drug Resist Updat*. 2019 Jan; 42:35-45.doi: 10.1016/j.drug.2018.03.003. Epub 2019 Mar 8.
125. Mohammed J, Aljurf M, Althumayri A, Almansour M, Alghamdi A, **Hamidieh AA**, et al. Physical therapy pathway and protocol for patients undergoing hematopoietic stemcell transplantation: Recommendations from The Eastern Mediterranean Blood and Marrow Transplantation (EMBT) Group. *Hematol Oncol Stem Cell Ther*. 2019 Sep;12(3):127-132. doi: 10.1016/j.hemonc.2018.12.003. Epub 2019 Jan 11.
126. Behjani ZZ, Ai J, Soleimani M, Atashi A, Taheri B, Ebrahimi-Barough S, Siavashi V, Shirian S, **Hamidieh AA**. Human unrestricted somatic stem cells ameliorate sepsis-related acute lung injury in mice. *J Cell Physiol*. 2019 Aug;234(8):13942-13950. doi: 10.1002/jcp.28077. Epub 2019 Jan 9.
127. Mohseni R, Ashrafi MR, Ai J, Nikougoftar M, Mohammadi M, Ghahvechi-Akbari M, Shoaee-Hassani A, **Hamidieh AA**. Overexpression of SMN2 Gene in Motoneuron-LikeCells Differentiated from Adipose-Derived Mesenchymal Stem Cells by Ponasterone A. *J Mol Neurosci*. 2019 Feb; 67(2):247-257. doi: 10.1007/s12031-018-1232-x. Epub 2018 Dec 7.
128. Mardpour S, **Hamidieh AA**, Taleahmad S, Sharifzad F, Taghikhani A, Baharvand H. Interaction between mesenchymal stromal cell-derived extracellular vesicles and immune cells by distinct protein content. *J Cell Physiol*. 2019 Jun;234(6):8249-8258. doi: 10.1002/jcp.27669. Epub 2018 Oct 30.
129. Amir **Ali Hamidieh**, Tahereh Rostami, Maryam Behfar, Azadeh Kiumarsi, Ardeshtir Ghavamzadeh. Favorable outcome of allogenic hematopoietic stem cell transplantation in

Farber disease. International Journal of Clinical Rheumatology (2018) Volume 13, Issue 5.

130. Abolhassani H, Kiaee F, Tavakol M, Chavoshzadeh Z, Mahdaviani SA, Momen T, Yazdani R, Azizi G, Habibi S, Gharagozlou M, Movahedi M, **Hamidieh AA**, et al. Fourth Update on the Iranian National Registry of Primary Immunodeficiencies: Integration of Molecular Diagnosis. *J Clin Immunol*. 2018 Oct; 38(7):816-832. doi: 10.1007/s10875-018-0556-1. Epub 2018 Oct 9.
131. **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*. 2019 Apr; 17(2):243-250. doi: 10.6002/ect.2017.0226. Epub 2018 Oct 5.
132. Yazdani R, Abolhassani H, Kiaee F, Habibi S, Azizi G, Tavakol M, Chavoshzadeh Z, Mahdaviani SA, Momen T, Gharagozlou M, Movahedi M, **Hamidieh AA**, et al. Comparison of Common Monogenic Defects in a Large Predominantly Antibody Deficiency Cohort. *J Allergy Clin Immunol Pract*. 2019 Mar; 7(3):864-878.e9. doi: 10.1016/j.jaip.2018.09.004. Epub 2018 Sep 19.
133. Saleem MS, Aljurf M, Srivastava A, Shamsi T, Lu PH, **Hamidieh AA**, El Haddad A, Hashmi SK. Challenges in managing graft-versus-host disease in developing countries: a perspective. *Bone Marrow Transplant*. 2019 May; 54(5):641-647. doi: 10.1038/s41409-018-0333-z. Epub 2018 Sep 20.
134. Baldomero H, Aljurf M, Zaidi SZA, Hashmi SK, Ghavamzadeh A, Elhaddad A, Hamladji RM, Ahmed P, Torjemane L, Abboud M, Tbakhi A, Khabori MA, El QuessarA, Bazuaye N, Bekadja MA, Adil S, Fahmy O, Ramzi M, Ibrahim A, Alseraihy A, BenAbdejalil N, Sarhan M, Huneini MA, Mahmal L, ElSolh H, Hussain F, Nassar A, Al-Hashmi H, **Hamidieh AA**, et al. East-Mediterranean (EMBT) and African (AfBMT) Blood and Marrow Transplantation Groups and the Worldwide Network for Blood and Marrow Transplantation (WBMT). Narrowing the gap for hematopoietic stem cell transplantation in the East-Mediterranean/African region: comparison with global HSCT indications and trends. *Bone Marrow Transplant*. 2019 Mar; 54(3):402-417. doi:10.1038/s41409-018-0275-5. Epub 2018 Aug 6.
135. Farzamfar S, Naseri-Nosar M, Vaez A, Esmaeilpour F, Ehterami A, Sahrapeyma H, Samadian H, **Hamidieh A.A**, Ghorbani S, Goodarzi A, Azimi A, Salehi M. Neural tissue regeneration by agabapentin-loaded cellulose acetate/gelatin wet-electrospun scaffold. *Cellulose* (2018)25: 1229. <https://doi.org/10.1007/s10570-017-1632-z>.
136. Shaghaghi M, Irannejad M, Abolhassani H, Shahmahmoodi S, **Hamidieh AA**, Soleyman-Jahi S, Yazdani R, Azizi G, Aghamohammadi A. Clearing Vaccine-Derived Poliovirus Infection Following Hematopoietic Stem Cell Transplantation: a Case Report and Review of Literature. *J Clin Immunol*. 2018 Jul; 38(5):610-616. doi: 10.1007/s10875-018-0521-z. Epub 2018 Jun 14.
137. Sayad A, Hajifathali A, Omrani MD, Arsang-Jang S, **Hamidieh AA**, Taheri M.

Expression of TNF- and HNRNPL-related Immunoregulatory Long Non-coding RNA (THRIL) in Acute Myeloid Leukemia: Is There Any Correlation? Iran J Allergy Asthma Immunol. 2018 Jun; 17(3):274-280.

138. Mahmoudi N, Eftekharzadeh S, Golmohammadi M, Khorramirouz R, Hashemi J, Kashani Z, Alijani M, **Hamidieh AA**, Kajbafzadeh AM. Alleviation of Cyclophosphamide-induced Hemorrhagic Cystitis by Dietary Pomegranate: A Comparative Experimental Study with Mesna. J Pediatr Hematol Oncol. 2018 May 4. doi: 10.1097/MPH.0000000000001203.
139. 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.
140. **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.
141. Houshmand M, Nakhlestani Hagh M, Soleimani M, **Hamidieh AA**, Abroun S, Nikougofar Zarif M. MicroRNA Microarray Profiling during Megakaryocyte Differentiation of Cord Blood CD133+ Hematopoietic Stem Cells. Cell J. 2018 Jul; 20(2):195-203. doi: 10.22074/cellj.2018.5021. Epub 2018 Mar 18.
142. Houshmand M, Yazdi N, Kazemi A, Atashi A, **Hamidieh AA**, Anjam Najemadini A, Mohammadi Pour M, Nikougofar Zarif M. Long non-coding RNA PVT1 as a novel candidate for targeted therapy in hematologic malignancies. Int J Biochem Cell Biol. 2018 May; 98:54-64. doi: 10.1016/j.biocel.2018.03.001. Epub 2018 Mar 21.
143. Wong JK, Seifalian A, Mohseni R, **Hamidieh AA**, MacLaren RE, Habib N, Seifalian AM. Emerging In Vitro 3D Tumor Models in Nanoparticle-Based Gene and Drug Therapy. Trends Biotechnol. 2018 May; 36(5):477-480. doi: 10.1016/j.tibtech.2018.02.002. Epub 2018 Feb 27.
144. Sayad A, Hajifathali A, **Hamidieh AA**, Esfandi F, Taheri M. Fas-Antisense Long Noncoding RNA and Acute Myeloid Leukemia: Is There any Relation? Asian Pac J Cancer Prev. 2018 Jan 27; 19(1):45-48.
145. Behfar M, Faghihi-Kashani S, Hosseini AS, Ghavamzadeh A, **Hamidieh AA**. Long-Term Safety of Short-Term Administration of Filgrastim (rhG-CSF) and Leukopheresis 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.
146. Mardpour S, Hassani SN, Mardpour S, Sayahpour F, Vosough M, Ai J, Aghdami N, **Hamidieh AA**, Baharvand H. Extracellular vesicles derived from human embryonic stem cell-MSCs ameliorate cirrhosis in thioacetamide-induced chronic liver injury. J Cell Physiol.

2017 Dec 21. doi: 10.1002/jcp.26413.

147. 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.
148. Raeissadat SA, Babaei 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.
149. 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.
150. Badalzadeh M, Tajik S, Fazlollahi MR, Houshmand M, Fattahi F, Alizadeh Z, Movahedi M, Adab Z, Khotaei GT, **Hamidieh AA**, Heidarnazhad H, Pourpak Z. Threenovel mutations in CYBA among 22 Iranians with Chronic granulomatous disease. *Int J Immunogenet*. 2017 Dec; 44(6):314-321. doi: 10.1111/iji.12336. Epub 2017 Sep 20.
151. 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*. 2018 Apr; 141(4):1450-1458. doi: 10.1016/j.jaci.2017.06.049. Epub 2017 Sep 12.
152. **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.
153. 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.
154. 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 developingcountries. *Hematol Oncol Stem Cell Ther*. 2017 Dec; 10(4):167-172. doi: 10.1016/j.hemonc.2017.05.017. Epub 2017 Jul 14.
155. 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.

156. 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/petr.12981. Epub 2017 Jun 14.
157. 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 polylacticacid/multiwalled carbon nanotubes/gelatin nanofibrils neural guidance conduit. *J Biomed Mater Res B Appl Biomater*. 2018 May;106(4):1463-1476. doi: 10.1002/jbm.b.33952. Epub 2017 Jul 4.
158. 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.
159. 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.
160. 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.
161. 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.
162. 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.
163. 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. E pub 2016 Sep 26.
164. 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
CURRICULUM VITAE
Amir Ali Hamidieh M.D.

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.

165. **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.
166. Saghafi S, Pourpak Z, Nussbaumer F, Fazlollahi MR, Houshmand M, **Hamidieh AA**, Bermanian 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.
167. 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.
168. **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 anti-thymocyte 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.
169. 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.
170. 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.
171. **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.
172. 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.
173. 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* 2015Jun; 19(4):422-7. doi:10.1111/petr.12476.

174. **Hamidieh AA**, Mozafari M, Noshad S, Alimoghaddam K, Behfar M, Ghavamzadeh. 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* 2015Jun;19(4): 399- 407. doi: 10.1111/petr.12458.
175. 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.
176. 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.
177. 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.
178. **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.
179. **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.
180. **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/petr.12428.
181. **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.
182. **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.

183. **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.
184. 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.
185. **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 Jul4. Pii: S1658-3876(14)00049-1. doi: 10.1016/j.hemonc.2014.06.002.
186. **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.
187. **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.
188. **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.
189. 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, Bencheikroun 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) groupsurvey. *Hematol Oncol Stem Cell Ther*. 2013 Mar; 6(1):14-9. doi: 10.1016/j.hemonc.2013.04.001.
190. **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/petr.12086.
191. **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 results of treatment with imatinib mesylate and allogeneic hematopoietic stem cell transplantation. *Pediatr Transplant*. 2013 Mar 31.

192. Ayas M, Nassar A, **Hamidieh AA**, Kharfan-Dabaja M, Othman TB, Elhaddad A, Seraihy A, Hussain F, Alimoghaddam K, Ladeb S, Fahmy O, Bazarbach A, MohamedSY, 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.
193. Alizadeh Z, Fazlollahi MR, Houshmand M, Maddah M, Chavoshzadeh Z, **Hamidieh AA**, Shamsian BS, Eshghi P, Bolandghamat Pour S, Sadaaie Jahromi H, Mansouri M, Movahedi M, Nayeypour M, Pourpak Z, Moin M. Different pattern of gene mutations in Iranian patients with severe congenital neutropenia (including 2 new mutations). *IranJ Allergy Asthma Immunol*. 2013 Mar; 12(1):86-92.
194. **Hamidieh AA**, Hamidi Z, Nedaeifard L, Heshmat R, Alimoghaddam K, Larijani B, Ghavamzadeh A, Mohajeri-Tehrani MR. Changes of bone density in pediatric patients with β -thalassemia major after allogeneic hematopoietic stem cell transplantation. *ArchIran Med*. 2013 Feb; 16(2):88-92.
195. Bazarbach A, Labopin M, Ghavamzadeh A, Giebel S, Al-Zahrani H, Ladeb S, Leone G, Abdel-Rahman F, Liso V, **Hamidieh AA**, Rasheed W, Ibrahim A, Alabdulaaly A, Kyrz-Krzemien S, Arnold R, Kharfan-Dabaja MA, Alimoghaddam K, Aljurf M, Mohty M. Allogeneic matched-sibling hematopoietic cell transplantation for AML: comparable outcomes between Eastern Mediterranean (EMBT) and European (EBMT) centers. *Bone Marrow Transplant*. 2013 Jan 28.
196. Safaei S, Fazlollahi MR, Houshmand M, **Hamidieh AA**, Bermanian MH, Alavi S, Mousavi F, Pourpak Z, Moin M. Detection of six novel mutations in the WASP gene in fifteen Iranian Wiskott-Aldrich patients. *Iran J Allergy Asthma Immunol*. 2012 Dec; 11(4):345-8.
197. **Hamidieh AA**, Alimoghaddam K, Jahani M, Bahar B, Mousavi SA, Iravani 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 Oct 4.
198. Ghorbani A, Fatehi F, Soltanzadeh A, **Hamidieh A.A**, Vahabi Z. Wernicke's encephalopathy in a young girl suffering from Acute Myeloblastic Leukemia. *Iran J Pediatr*. 2012;22(4):574-575.
199. **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 Sep; 16(6):664-9.
200. Khansarinejad B, Soleimanjahi H, Mirab Samiee S, **Hamidieh AA**, Paryan M, Sanahmadi Y. Quantitation of human cytomegalovirus DNA in plasma using an affordable in-house qPCR assay. *J Virol Methods*. 2012 Aug; 183(2):170-5.
201. **Hamidieh AA**, Hamidi Z, Nedaeifard L, Heshmat R, Haralambous H, Alimoghaddam

- K, Larijani B, Ghavamzadeh A, Mohajeri-Tehrani MR. Bone mineral density in ex-thalassemic pediatric patients. *Hematol Oncol Stem Cell Ther*. 2012 First Quarter; 5(1):70-71.
202. Salehi T, Fazlollahi MR, Maddah M, Nayeypour M, Tabatabaei Yazdi M, Alizadeh Z, Eshghi P, Chavoshzadeh Z, Movahedi M, **Hamidieh AA**, Cheraghi T, Pourpak Z, Moin M. Prevention and Control of Infections in Patients with Severe Congenital Neutropenia; A Follow-up Study. *Iran J Allergy Asthma Immunol*. 2012 Mar; 11(1):51- 6.
203. **Hamidieh AA**, Kargar M, Jahani M, Alimoghaddam K, et al. The outcome of allogeneic hematopoietic stem cell transplants without total body irradiation in pediatric patients with acute lymphoblastic leukemia: single centre experience. *J Pediatr Hematol Oncol*. 2012 Mar;34(2):101-7.
204. Behzad Khansarinejad; Hooreih Soleimanjahi; **Amirali Hamidieh**; Siamak Mirab Samiee; Mahdi Paryan; Yadollah Sanahmadi; Soghrat Faghihzadeh. *Modares Journal of Medical Sciences*. 2012; Volume 15, Number 1, Page 13-22.
205. **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. *Hematol Oncol Stem Cell Ther*. 2011; 4(3):109-15.
206. Alimoghaddam K, Ghavamzadeh A, Jahani M, Jalali A, Jorjani H, Iravani M, **Hamidieh A.A**, Mousavi A, Bahar B, Behfar M, Derakhshandeh R, Rostami SH. Hematopoietic Stem Cell Transplantation in PML-RARA Positive Acute Promyelocytic Leukemia. *International Journal of Hematology-Oncology and StemCell Research* 2011;5(1): 8-10
207. Jalili M • Alimoghaddam M • **Hamidieh A.A.** • Hamdi A • Jahani M • Bahar B • Mousavi S.A. • Iravani M • Jalali A • Ghavamzadeh A. *International Journal of Hematology-Oncology and Stem Cell Research* 2011; 5(4): 22-27.
208. Poopak B, Taghi Arzanian M, Vosough P, Gharib A, **Hamidieh A.A**, Ehsani M, Parsania M, Yousefian A, Jahangirpour M.A, Farahani K. Evaluation of MYCN amplification in Iranian patients with neuroblastoma by conventional and real-time PCR. *Medical Sciences Journal of Islamic Azad University, Tehran Medical Branch*. 2011; Volume 21, Number 3.
209. Ghavamzadeh A, Derakhshandeh R, Jalali R, Jafarpour A, Alimoghaddam K, **Hamidieh A.A**, Bahar B, Iravani M, Mousavi S.A, Jahani M. Autologous and Allogeneic Hematopoietic Stem Cell Transplantation for Solid Tumors in Iran. *International Journal of Hematology-Oncology and Stem Cell Research* 2011;5(1): 11-15
210. Ardeshtir Ghavamzadeh, Kamran Alimogaddam, Mohammad Jahani, **Amirali Hamidieh**, Seyed Asadollah Mousavi, Masoud Iravani, Babak Bahar, Mohammadreza Ostadali Dehaghi, Hoda Jorjani, Roshanak Derakhshandeh, Arash Jalali. Hematopoietic Stem Cell Transplantation in Iran: 1991 through 2010. *International Journal of Hematology-Oncology and Stem Cell Research* 2010;4(4): 1-9

211. Alizadeh Z, Fazlollahi MR, Eshghi P, **Hamidieh AA**, et al. Two Cases of Syndromic Neutropenia with a Report of Novel Mutation in G6PC3. Iran J Allergy Asthma Immunol. 2011 Sep; 10(3):227-30.
212. Alimoghaddam K, Ghavamzadeh A, Jahani M, Jalali A, Jorjani H, Iravani M, **Hamidieh AA**, et al. Hematopoietic stem cell transplantation in acute promyelocytic leukemia: experience in Iran. Arch Iran Med. 2011 Sep; 14(5):332-4.
213. Fattahi F, Badalzadeh M, Sedighipour L, Movahedi M, Fazlollahi MR, Mansouri SD, Khotaei GT, Bemanian MH, Behmanesh F, **Hamidieh AA**, et al. Inheritance Pattern and Clinical Aspects of 93 Iranian Patients with Chronic Granulomatous Disease. J ClinImmunol. 2011 Jul 26.
214. **Hamidieh AA**, Pourpak Z, Hosseinzadeh M, Fazlollahi MR, Alimoghaddam K, Movahedi M, Hosseini A, Chavoshzadeh Z, Jalili M, Arshi S, Moin M, Ghavamzadeh. Reduced-intensity conditioning hematopoietic SCT for pediatric patients with LAD-1:clinical efficacy and importance of chimerism. Bone Marrow Transplant. 2011 Jul 11.
215. Mohamed SY, Fadhil I, Hamladji RM, **Hamidieh AA**, et al. Hematopoietic Stem Cell Transplantation in the Eastern Mediterranean Region (EMRO) 2008-2009: Report on behalf of the Eastern Mediterranean Bone Marrow Transplantation (EMBT) Group. HematolOncol Stem Cell Ther. 2011; 4(2):81-93.
216. Ahmed SO, Ghavamzadeh A, Zaidi S, Baldomero H, Pasquini M, Hussain F, Alimoghaddam K, Almohareb F, Ayas M, **Hamidieh A**, et al. Trends of HematopoieticStem Cell Transplantation in the Eastern Mediterranean Region, 1984-2007. Biol BloodMarrow Transplant. 2011 Mar 31.
217. **Hamidieh AA**, Hamedani R, Hadjibabaie M, Amini M, Sadrai S, Ghavamzadeh A. Oral Lorazepam Prevents Seizure During High-Dose Busulfan In Children Undergoing Hematopoietic Stem Cell Transplantation: A Prospective Study. Pediatric Hematol Oncol. 2010 Aug 2.
218. **Hamidieh AA**, Jalili M, Khojasteh O, Ghavamzadeh A. Autologous stem cell transplantation as treatment modality in a patient with relapsed pancreatoblastoma. Pediatric Blood Cancer. 2010 Sep; 55(3):573-6.
219. **Hamidieh AA**, Jalili M, Khojasteh O, Ghavamzadeh A. First report of successful stem cell transplantation in a patient with sickle cell hemoglobin D disease. J Pediatr Hematol Oncol. 2010 Jul; 32(5):397-9.
220. **Hamidieh AA**, Pourpak Z, Alimoghaddam K, et al. Successful allogeneic stem cell transplantation with a reduced-intensity conditioning in a leukocyte adhesion deficiency type I patient. Pediatric Transplant. 2009 Nov 13.
221. **Hamidieh A.A.**, Moradbeag B, Pasha F, et al. High prevalence of hypoparathyroidism in patients with Beta-thalassemia major. International Journal of Hematology- Oncology and Stem Cell Research. 3 (3):17-20, July 2009.

222. **A.A. Hamidieh**, K. Alimoghaddam, M. Jahani, et al. Hematopoietic Stem Cell Transplantation for High-Risk Neuroblastoma. International Journal of Hematology-Oncology and Stem Cell Research. 3 (2):14-17, April 2009
223. A. Ghavamzadeh, **A.A. Hamidieh**, M. Jahani, K. Alimoghaddam, et al. Allogenic Hematopoietic Stem Cell Transplantation from Related Donors in Fanconi Anemia. International Journal of Hematology-Oncology and Stem Cell Research. 3 (1):1-6, January 2009.
224. A. Ghavamzadeh, K. Alimoghaddam, A. Naderi, **A.A. Hamidieh**, et al. Outcome of related and unrelated cord-blood Transplantation in children at Hematopoietic Stem Cell Transplantation Research Center of Shariati Hospital. International Journal of Hematology-Oncology and Stem Cell Research. 3 (1):17-20, January 2009.
225. **A.A. Hamidieh**, M. Arzanian, L. Gachkar, F. Pasha. Helicobacter pylori Infection in Children with Chronic Idiopathic Thrombocytopenic Purpura. Journal of Pediatric Hematology/Oncology. 30(1):96-97, January 2008.
226. Mamishi S, Modarressi M, Pourakbari B, **Hamidieh A.A**, et al. Analysis of RAB27A Gene in Griscelli Syndrome Type 2: Novel Mutations Including a Deletion Hotspot. J Clin Immunol. 2008 Jul; 28(4):384-9.
227. Poopak A.A. Pourfathollah, H. Najmabadi, **A.A. Hamidieh**, et al. Use of immunoglobulin heavy chain and kappa light chain gene rearrangements by PCR for molecular diagnosis of minimal residual disease in Iranian children suffering from precursor acute lymphoblastic leukemia. The scientific journal of the Iranian Blood Transfusion Organization (Khon). 2007; 4(2):123-136.
228. Arzanian MT, **Hamidieh AA**, Gachkar L, Imanzadeh F, Shamsian BSh. Prevalence of Helicobacter pylori Infection in Children with Chronic Immune (Idiopathic) Thrombocytopenic Purpura and Evaluation of Helicobacter pylori Eradication on Platelet Count. Pejouhandeh. 2007; Volume 12, Number 2.
229. B. Poopak, A.A. Pourfathollah, H. Najmabadi, **A.A. Hamidieh**, et al. The pattern of cross-lineage T-cell receptor delta and gamma gene rearrangement in B-precursor acute lymphoblastic leukemia of Iranian children using polymerase chain reaction. The scientific journal of the Iranian Blood Transfusion Organization (Khon). 2006; 2(6):203- 214.
230. B. Poopak, A.A. Pourfathollah, H. Najmabadi, **A.A. Hamidieh**, et al. Molecular diagnosis of clonality in B-precursor acute lymphoblastic leukemia of children using immunoglobulin heavy and kappa light chain gene rearrangement. Medical Sciences Journal of Islamic Azad University. 2006; 16(1):1-7.
231. B. Poopak, A.A. Pourfathollah, H. Najmabadi, **A.A. Hamidieh**, et al. Evaluating biologic clonal rearrangement of immunoglobulin and T-cell receptor genes in Iranian children suffering B-precursor acute lymphoblastic leukemia. Medical Sciences Journal of Islamic Azad University. 2005; 15(3):113-120
232. Fakhraee, M. Kazemian, A.A. Hamidieh. Hearing assessment of the high-risk

neonates admitted to Mofid Hospital for children 2001-2002, using auditory brainstem response. Archives of Iranian Medicine. 2004; 7(1):44-46.

Abstracts

1. **Amir Ali Hamidieh**, Mohammad Jahanpanah, Maryam Behfar, Nadia Alipour, Leila Jafari. HEMATOPOETIC STEM CELL TRANSPLANTATION OUTCOME IN BCR/ABL POSITIVE-PEDIATRIC ACUTE LYMPHOBLASTIC LEUKEMIA PATIENTS WITHOUT POST-HSCT TYROSINE KINASE INHIBITORS. 51st Annual Meeting of the European Society for Blood and Marrow Transplantation, 30 March - 2 April, Florence, Italy.
2. **Amir Ali Hamidieh**, Leila Jafari, Maryam Behfar, Nadia Alipour, Mohammad Jahanpanah. OUTCOME OF ALLOGENIC HEMATOPOIETIC STEM CELL TRANSPLANTATION WITH CRYOPRESERVED STEM CELLS IN PEDIATRIC PATIENTS DURING COVID-19 PANDEMIC: A SINGLE CENTER EXPERIENCE. 51st Annual Meeting of the European Society for Blood and Marrow Transplantation. 30 March - 2 April, Florence, Italy.
3. **Amir Ali Hamidieh**, Mina Mokaram Doost Delkhah, Leila Jafari, Rashin Mohseni, Shahdad Farokhmanesh, Maryam Behfar. Fludarabine-Based Reduced-Intensity Conditioning Allogeneic Stem Cell Transplantation for CGD Pediatric Patients: Clinical Efficacy and Importance of Chimerism. ASTCT, Tandem meetings congress 2025. February 12-15, Honolulu, Hawaii, USA.
4. Claire Booth, Patrick Gilbert, Luuk Gras, Hawazen Alsaedi, **Amir Ali Hamidieh**, et al. Allogeneic Hematopoietic Stem Cell Transplantation (allo-HSCT) Outcomes in Leukocyte Adhesion Deficiency Type I. 66th American Society of Hematology annual meeting, December 7-10, San Diego, California, USA.
5. **Amir Ali Hamidieh**, Leila Jafari, Yalda Karamlou, Rashin Mohseni, Mina Mokaram, Maryam Behfar, Hematopoietic Stem Cell Transplantation (HSCT) for Hemoglobinopathies. 29th Annual Meeting of Asia-Pacific Blood and Marrow Transplantation Group (APBMT). 10-13 October, Singapore.
6. Leila Jafari, Alireza Hatami, Maryam Behfar, Rashin Mohseni, Negar Nejati, Fahimeh Jafari, **Amir Ali Hamidieh**. 29th Annual Meeting of Asia-Pacific Blood and Marrow Transplantation Group (APBMT), 10-13 October, Singapore.
7. **Amir Ali Hamidieh**. Novel Cell and Gene Therapies for Children. 28th Annual Meeting of Asia-Pacific Blood and Marrow Transplantation Group (APBMT) 26-29 October 2023, Semarang, Indonesia.
8. Maryam Behfar, Parisa Naji, **Amir Ali Hamidieh**, HSCT for Inherited/Congenital Immune Disease. 28th Annual Meeting of Asia-Pacific Blood and Marrow Transplantation Group (APBMT) 26-29 October 2023, Semarang, Indonesia.
9. Hamid Farajifard, Mona Padidarian, Gazaleh Khosroabadi, Elahe Makki, **Amir Ali**
CURRICULUM VITAE
Amir Ali Hamidieh M.D.

Hamidieh .better outcome of DPB1 one locus mismatch HSCT compared to another HLA mismatch, 28th Annual Meeting of Asia-Pacific Blood and Marrow Transplantation Group (APBMT) 26-29 October 2023, Semarang, Indonesia.

10. **Amir Ali Hamidieh**, Parisa Naji, Fahimeh Askarian, Nyasha Sandaramu, Leila Jafari, Fahimeh Jafari, Zeinab Nikfetrat, Maryam Behfar. The impact of renal anomalies on post hematopoietic stem cell transplantation outcome in pediatric Fanconi anemia. Bone Marrow Transplantation. 49th Annual Meeting of the European Society for Blood and Marrow Transplantation 23 - 26 April 2023.
11. **Amir Ali Hamidieh**, P. Arisa Naji, Fahimeh Askarian, N. Sandaramu, Leila Jafari, Fatemeh Jafari, Zeinab Nikfetrat, Maryam Behfar. The Impact of Renal Anomalies on Post-Hematopoietic Stem Cell Transplantation Outcome in Pediatrics Fanconi Anemia. 49th Annual Meeting of the European Society for Blood and Marrow Transplantation 23 - 26 April 2023
12. **Amir Ali Hamidieh**, Leila Jafari, Homa Kashani, Rashin Mohseni, Parisa Naji, Fahimeh Jafari, Leila Hejazipour, Zeinab Nikfetrat, Maryam Behfar. The Effect of Posterior Reversible Encephalopathy Syndrome after Hematopoietic Stem Cell Transplantation in Pediatric Patients with Beta-Major Thalassemia at The Largest Children's Hospital in IRAN. 49th Annual Meeting of the European Society for Blood and Marrow Transplantation 23 - 26 April, 2023
13. **Amir Ali Hamidieh**, Leila Jafari, Mona Delkhah, Nika Asefi, Yalda Karamlou, Rashin Mohseni, Fahimeh Jafari, Zeinab Nikfetrat, Hamid Farajifard, Parisa Naji, Maryam Behfar. The Outcome of Extracorporeal Photopheresis using Cryopreservation in Pediatric Patients with Acute and Chronic GVHD at the Largest Children's Medical Hospital in IRAN. Introduction, ASTCT, Tandem meetings, Feb. 15-19, 2023, Orlando, Florida.
14. **Amir Ali Hamidieh**, Regional Transplantation Activities of Iran. A Worldwide Network for Blood & Marrow Transplantation (WBMT), September 22-24,2022. Pakistan.
15. **Amir Ali Hamidieh**, Regenerative Medicine for Pediatric Diseases. The 2nd Hematology Masterclass at Raffles, Dubai on October 7th-8th, 2022.
16. **Amir Ali Hamidieh**, Parisa Naji, Maryam Behfar, Rashin Mohseni, Elahe Sadat Makki Talehjerdi, Fahimeh Jafari, Zeinab Nikfetrat, Leila Jafari, Neuroblastoma 18 m Ci/Kg ¹³¹I-MIBG Autologous Hematopoietic Stem Cell Transplantation; A Single-Center Experience. 48th Annual Meeting of the European Society for Blood and Marrow Transplantation 19 - 23 March 2022.
17. **Amir Ali Hamidieh**, Leila Jafari, Maryam Behfar, Rashin Mohseni, Yalda Karamlou. A Report on The Outcome of Hematopoietic Stem Cell Transplantation in Pediatric Patients with Hemophagocytic Lymphohistiocytosis at The Largest Children's Medical Hospital in Iran. 27th Annual Meeting of Asia-Pacific Blood and Marrow Transplantation Group (APBMT) 6th – 9th October 2022, Kochi, India.
18. Maryam Behfar, Leila Jafari, Yalda Karamlou, Mahta Mardani, Azam Rahmani, Fahimeh Jafari, Zeinab Nikfetrat, Rashin Mohseni, Parisa Naji, **Amir Ali Hamidieh**. A Report on Unmanipulated Haploidentical Hematopoietic Stem Cell Transplantation for Pediatric Patients with Acute Leukemia at The Largest Children's Medical Hospital in IRAN. 48th Annual Meeting of the European Society for Blood and Marrow

Transplantation 19 - 23 March 2022.

19. **Amir Ali Hamidieh**, Maryam Behfar, Parisa Naji. Hematopoietic Stem Cell Transplantation in Bone Marrow Failure Syndromes. 1st Emirates Pediatric Bone Marrow Transplant Congress. 27-28 May 2022. Dubai.
20. Parisa Naji, Maryam Behfar, **Amir Ali Hamidieh**. The HSCT outcome update of seventeen Iranian DBA patients conditioned with a non-radiation myeloablative regimen. Global Bridges 2022, May 30-31. Amsterdam, The Netherlands.
21. **Amir Ali Hamidieh**, Alieh Safari-Sharari, Rashin Mohseni, Mahnaz Jamee, Zeynab Nikfetrat, Leila Hejazipour, Hamideh Keykani, Fahimeh Jafari, Pouria Salajegheh, Maryam Behfar. The Benefits of HLA-matched Related Donors for Patients Lacking HLA-identical Siblings in The Absence of a Powerful Local Unrelated Registry in Countries with Prevalent Cousin. 47th Annual Meeting of the EBMT. August 2021
22. Leila Jafari, Maryam Behfar, Hadi Mottaghipisheh, Rashin Mohseni, Fahimeh Jafari, Zeinab Nikfetrat, Leila Hejazipour, Hamideh Keikani, Reza Azizian, **Amir Ali Hamidieh**. The Outcome of Hematopoietic Stem Cells Transplantation (HSCT) In Pediatric Patients In COVID-19 Pandemic: Impact of Delta Variate. 26th Annual congress of APBMT. 2021. India. Virtual Meeting.
23. Rashin Mohseni, Maryam Behfar, Parisa Naji, Hadi Mottaghipisheh, Leila Jafari, Fahimeh Jafari, Zeinab Nikfetrat, Leila Hejazipour, Hamideh Keikani, **Amir Ali Hamidieh**. The outcome of peripheral blood HSCT with Myeloablative conditioning regimen in MIOP patients. 26th Annual Congress of APBMT. 2021. India. Virtual Meeting.
24. **Amir Ali Hamidieh**, Maryam Behfar, Leila Jafari, Hadi Mottaghipisheh, Parisa Naji, Rashin Mohseni, Fahimeh Jafari, Zeinab Nikfetrat. Plerixafor combined with G-CSF for pediatric autologous hematopoietic stem cell mobilization. ASTCT, Tandem meetings, February. 2-6, 2022, Salt Lake City, USA
25. Maryam Behfar, Hadi Mottaghipisheh, Rashin Mohseni, Zeynab Nikfetrat, Fereshteh Jafari, **Amir Ali Hamidieh**. Impact of Cryopreserved Photopheresis in Graft Versus Host Disease for Non-Malignant Disorders After Allogeneic Hematopoietic Stem Cell Transplantation in Pediatric Patients. 47th Annual Meeting of the European Society for Blood and Marrow Transplantation. 14–17 March, 2021. Virtual Meeting.
26. Rashin Mohseni, Mahta Mardani, Maryam Behfar, Parisa Naji, Fereshteh Jafari, Zeynab Nikfetrat, Leila Hejazipour, Dima Barhoom, Poorya Salajegheh, **Amir Ali Hamidieh**. Unmanipulated Haploidentical Stem Cell Transplantation for Pediatric Patients with Acute Leukemia: An Experience from the Largest Children's Hospital in Iran. 47th Annual Meeting of the European Society for Blood and Marrow Transplantation. 14–17 March, 2021. Virtual Meeting.
27. Mahsa Mousakhan Bakhtiari, Sahar Taebi, Maryam Behfar, Rashin Mohseni, Mahta Mardani, Fereshteh Jafari, Zeynab Nikfetrat, Leila Hejazipour, **Amir Ali Hamidieh**. Incidence of Hemorrhagic Cystitis Following Hematopoietic Stem Cell Transplantation in Pediatric Patients Based on the Underlying Disease. 47th Annual Meeting of the European Society for Blood and Marrow Transplantation. 14–17 March, 2021 Virtual Meeting.

28. Diana Averbuch, Rafael De La Camara, Selim Corbacioglu, Malgorzata Mikulska, Jose Luis Piñana Sanchez, Gloria Tridello, Nina Simone Knelange, Aleksandr D Kulagin, Mouhab Ayas, Antonio Perez-Martinez, **Amir Ali Hamidieh**, et al. COVID-19 in Children Following Hematopoietic Cell Transplantation: A Multinational Study of the European Bone Marrow Transplantation Society (EBMT) and the Spanish Group of Hematopoietic Stem Cell Transplantation (GETH). 2021 Nov 23; 138: 2866, doi:10.1182/blood-2021-146748.
29. **Amir Ali Hamidieh**, Transplantation Has Relation with Clinical Phenotype of Fanconi Anemia Patients: Iranian Experience, the ICBMT (South Korea), 26 – 28 August 2021, Virtual.
30. Maryam Behfar, Mahta Mardani, Rashin Mohseni, Dima Barhoom, Hamid Farajifard, Sahar Taeabi, **Amir Ali Hamidieh**. Reduced-Intensity Hematopoietic Stem Cell Transplantation for Chronic Granulomatous Disease: A Single Centre Experience. 25th Annual Congress of APBMT. 2020. India
31. Rashin Mohseni, Maryam Behfar, Dima Barhoom, Fahimeh Jafari, Leila Hejazipour, Zeynab Nikfetrat, Sahar Taeabi, **Amir Ali Hamidieh**. The Outcome of Children with Mucopolysaccharidosis Following Allogeneic Peripheral Blood Stem Cell Transplantation Using Non-Sibling Donors. 25th Annual Congress of APBMT. 2020. India
32. Sahar Taeabi, **Amir Ali Hamidieh**, Mehdi Shamsara. CRISPR-based Gene Editing Method in Major Beta-Thalassemia is under development. 25th Annual Congress of APBMT. 2020. India
33. **Amir Ali Hamidieh**. The Impact of Stem Cell Sciences and Regenerative Medicine on Society. The 5th International USERN Congress 2020, Iran
34. **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 regimen. 46th Annual Meeting of the European Society for Blood and Marrow Transplantation 22nd–25th March, 2020. Madrid, Spain.
35. **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.
36. **Hamidieh AA**, Mohseni R, Behfar, 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.
37. **Amir Ali Hamidieh**. Stem Cell Transplantation and Cellular Therapy in Iran. 24th

Annual congress of APBMT .2019. South Korea. lymphocyte infusion (DLI) for mix chimerism treatment in SCID infants. 24th Annualcongress of APBMT. 2019, South Korea.

38. **Amir Ali Hamidieh**, Maged Khader, Tahani Ali, Hajar Nasiri, Hamid Farajifard, Leila Hejazipour, Hamideh Kaykani, Faten Mouna, Maryam Yazdanparast, Maryam Behfar. Is haploidentical HSCT safe and effective for children with high-risk acute leukemia? 24th Annual Congress of APBMT, .2019.South Korea.
39. Andre Manfred Willasch, Christina Peters, Petr Sedlacek, Jean-Hugues Dalle, Vassiliki Kitra-Roussou, Akif Yesilipek, Jacek Wachowiak, Arjan Lankester, Arcangelo Prete, **Amir Ali Hamidieh**, et al. Comparable outcome after 10/10 and 9/10HLA-matched unrelated donor stem cell transplantation (HSCT) using post-transplant cyclophosphamide (PTCY) for GVHD prophylaxis, on behalf of the ALWP-EBMT. Bone Marrow Transplantation (2019) 54:16 141. The 45th Annual Meeting of the European Society for Blood and Marrow Transplantation, 24–27 March 2019. Frankfurt, Germany.
40. Farzaneh Sharifzad, **Amir Ali Hamidieh**, Marzieh Ebrahimi, A therapeutic strategy to trespass the blood-brain barrier for adoptive NK cell therapy in glioblastoma multiforme induced rat: A preclinical study. Bone Marrow Transplantation (2019) 54:144 619. The 45th Annual Meeting of the European Society for Blood and Marrow Transplantation, 24–27 March 2019. Frankfurt, Germany.
41. **Amir Ali Hamidieh**, Alieh Safari Sharari, Nazanin Khodayari, Leila Hejazipour, Hamideh Keykani, Zeynab Nikfetrat, Fahimeh Jaafari, Poorya Salajegheh, SeyedMostafa Monzavi. A Yearly Report of Primary Immunodeficiency Patients Treated with Reduced-Intensity Conditioning Hematopoietic Stem Cell Transplantation at the Largest Iranian Children’s Hospital. 23rd Annual Congress of APBMT. 2-4 Nov.2018.Taipei. Taiwan.
42. **Amir Ali Hamidieh**. Reduced-intensity conditioning Stem Cell Transplantation for pediatric patients with Primary Immunodeficiency. .23th Annual Congress of APBMT.2-4 Nov.2018. Taipei. Taiwan.
43. Andre Willasch, Christina Peters, Petr Sedláček, Jean-Hugues Dalle, Stelios Graphakos, Akif Yesilipek, Jacek Wachowiak, Arjan Lankester, Arcangelo Prete, **Amir Ali Hamidieh**, et al. Chemo-conditioning before allo-HSCT for children below two years of age with acute leukemia - an EBMT-PDWP study. Bone Marrow Transplantation volume 53, pages 145–805 (2019). The 44th Annual Meeting of the European Society for Blood and Marrow Transplantation, 18–21 March 2018.Lisbon,Portugal.
44. **Amir Ali Hamidieh**, Alireza Rajab Zadeh, Fatemeh Rahbari Zadeh. Development of A VHH-Based Chimeric Antigen Receptor T Cells Targeting MUC1. Bone Marrow Transplantation volume 53, pages 145–805 (2019). The 44th Annual Meeting of the European Society for Blood and Marrow Transplantation, 18–21 March 2018.Lisbon, Portugal.
45. **Amir Ali Hamidieh**, Alieh Safari Sharari, Nazanin Khodayari, Leila Hejazi pour, Hamideh Keykani, Zeynab Nikfetrat, Fahimeh Jaafari, Maryam Behfar, Poorya Salajegheh, Seyed Mostafa Monzavi. Change in the Disease-Scape of Pediatric Patients

Underwent Hematopoietic Stem Cell Transplantation in Iran. Bone Marrow Transplantation volume 53, pages 145–805 (2019). The 44th Annual Meeting of the European Society for Blood and Marrow Transplantation, 18–21 March 2018. Lisbon, Portugal.

46. Andre Manfred Willasch, Christina Peters, Petr Sedlacek, Jean-Hugues Dalle, Stelios Graphakos, Akif Yesilipek, Jacek Wachowiak, Arjan Lankester, Arcangelo Prete, **Amir Ali Hamidieh**, et al. Myeloablative Conditioning for First Allogeneic Hematopoietic Stem Cell Transplantation in Children with ALL: Total Body Irradiation or Chemotherapy? - A Multicenter EBMT-PDWP Study. Blood 2017;130:911. ; USA.
47. Andre Manfred Willasch, Christina Peters, Petr Sedlacek, Jean Hugues Dalle, Stelios Graphakos, Akif Yesilipek, Jacek Wachowiak, Arjan Lankester, Arcangelo Prete, **Amir Ali Hamidieh**, Marianne Ifversen, et al. Myeloablative Conditioning for First Allogeneic Hematopoietic Stem Cell Transplantation in Children with ALL: Total Body Irradiation or Chemotherapy? - A Multicenter EBMT-PDWP Study. Blood 2017 130:911; USA.
48. Dietger Niederwieser, Mahmoud Aljurf, Helen Baldomero, Syed Ziauddin A. Zaidi, Shahrukh K. Hashmi, Ardeshir Ghavamzadeh, Alaa M. Elhaddad, Rose- Marie Hamladji, Parvez Ahmed, Lamia Torjemane, Miguel R Abboud, Abdelghani Tbakhi, Murtada Khamis Al-Khabori, Asma Quessar, Nosa Bazuaye, Mohamed Amine Bekadja, Salman Naseem Adil, Omar Fahmy, Mani Ramzi, Ahmad Ibrahim, Lahoucine Mahml, Amr Nassar, Fazal Hussain, Hassan ElSolh, Nour Ben Abdeljelil, **Amir Ali Hamidieh**, et al. Narrowing the Gap for Hematopoietic Cell Transplantation in the East-Mediterranean/African Region: Comparison with Global HSCT Indications and Trends. A Report on Behalf of the East Mediterranean (EMBT), African Blood and Marrow Transplantation Group (AFBMT), and Worldwide Network for Blood and Marrow Transplantation (WBMT). Blood 2017 130:3389; USA.
49. **Amir Ali Hamidieh**, Maryam Behfar, Rashin Mohseni, Alireza Shoaee-Hassani, 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.
50. T Rostami, **A.A Hamidieh**, M Behfar, Z Pourpak, M.R Fazlollahi, A Hosseini, M Moin, A Ghavamzadeh. Reduced-Intensity Conditioning Hematopoietic Stem Cell Transplantation in Leukocyte Adhesion Deficiency Type I: A Single Center Experience. The 22nd International Congress of Asia Pacific Blood and Marrow Transplantation. 28-30 Oct 2017, Iran.
51. Elahe Alikhani, Mahin Nikougoftar, **Amir Ali Hamidieh**, Mahdi Shams Ara. Transfection of Human Beta-Globin Gene into the AAVS1 Locus of K562 Cell Line Using CRISPR/CAS9 Technology. The 22nd International Congress of Asia Pacific Blood and Marrow Transplantation. 28-30 Oct 2017, Iran.
52. Rashin Mohseni, Mahmoud Reza Ashrafi, Jafar Ai, Mahin Nikougoftar Zarif, Mahmoud Mohammadi, Masoud Ghahvechi-Akbari, Anahita Majma, Alireza Shoaee-

53. Hassani, **Amir Ali Hamidieh**. Production of Functional Motor Neurons from Human Adipose Derived Mesenchymal Stem Cell Source. The Second National Festival & International Congress on Stem Cell & Regenerative Medicine. 13-15 July 2017, Iran.
54. Soura Mardpour, Seyedeh-Nafiseh Hassani, **Amir Ali Hamidieh**, Hossein Baharvand. Extracellular Vesicles Generated from Embryonic Stem Cell-Derived Mesenchymal Stromal Cells Display Potent Immunomodulatory Properties. The Second National Festival & International Congress on Stem Cell & Regenerative Medicine. 13-15 July 2017, Iran.
55. Ali Ghamari, Parviz Pakzad, Ahmad Majd, Marzieh Ebrahimi, **Amir Ali Hamidieh**. In Silico Analysis of a Tan CAR T Cell Targeting CD123 and Folate Receptor Beta. The Second National Festival & International Congress on Stem Cell & Regenerative Medicine. 13-15 July 2017, Iran.
56. Alireza Shoaee-Hassani, **Amir Ali Hamidieh**, Maryam Behfar, Seyed Abdolreza Mortazavi Tabatabaei, Rashin Mohseni, Jafar Ai, Shahab Asgharzadeh. 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.
57. **Amir Ali Hamidieh**, Stem Cell Sciences and Technologies in Iran: Investment for a Bright Future. The Second National Festival & International Congress on Stem Cell & Regenerative Medicine. 13-15 July 2017, Iran.
58. **A. A. Hamidieh**, T. Rostami, M. Behfar, Z. Pourpak, M. R. Fazlollahi, A. Hosseini, A. Ghavamzadeh, M. Moin. Reduced-Intensity Conditioning Hematopoietic Stem Cell Transplantation in Leukocyte Adhesion Deficiency Type I: A Single Center Experience. Bone Marrow Transplantation, March 2017, France.
59. T. Rostami, **A. A. Hamidieh**, M. Behfar, Z. Pourpak, M. R. Fazlollahi, A. Hosseini, A. Ghavamzadeh, M. Moin. Outcomes of Hematopoietic Stem Cell Transplantation in Severe Combined Immunodeficiency patients with Disseminated Bacillus Calmette Guerin Infection, Bone Marrow Transplantation, March 2017, France.
60. **Amir Ali Hamidieh**, HSCT challenges in the Eastern-Mediterranean and Middle-East, Bone Marrow Transplantation, March 2017, France.
61. Tahereh Rostami, **Amir Ali Hamidieh**, Maryam Behfar, Ashraf Sadat Hosseini, Ardeshir Ghavamzadeh. 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, Vol. 23, Issue 3, S244. March 2017, Orlando Florida.
62. Alireza Shoaee-Hassani, Maryam Behfar, **Amir Ali Hamidieh**. NK Cells Reside in Abdominal Fat Tissue Show a Lack of Cytotoxicity Against MHC-I Non-Expressing Neoplastic Cells. Biology of Blood and Marrow Transplantation, Vol. 23, Issue 3, S271. March 2017, Orlando, Florida.
63. **Amir Ali Hamidieh**, Tahereh Rostami, Mohammadreza Ostadali, Maryam Behfar, Ashraf Sadat Hosseini, Ardeshir Ghavamzadeh. 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.

64. **A.A. Hamidieh**, T. Rostami, M. Ostadali, M. Behfar, A-S. Hosseini. Compare the outcomes of matched versus one-locus mismatched related donor hematopoietic stem cell transplantation. The 21st Congress of the Asia Pacific Blood and Marrow Transplantation. October 28-30, 2016, Singapore.
65. **A.A. Hamidieh**, T. Rostami, M. Ostadali, M. Behfar, A-S Hosseini, A. Ghavamzadeh. 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.
66. M. Behfar, **A.A. Hamidieh**, Z. Pourpak, T. Rostami, MR. Fazlollahi, A-S. Hosseini, M. Moien, A. Ghavamzadeh. 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 21st Congress of the Asia Pacific Blood and Marrow Transplantation. October 28-30, 2016, Singapore.
67. T. Rostami, M. Behfar, **A.A. Hamidieh**, A-S Hosseini, A. Ghavamzadeh. 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.
68. M. Yaghmaie, K. Alimoghaddam, M. Jahani, S.A. Moosavi, B. Bahar, M. Vaezi, **A.A. Hamidieh**, A. Jalali, A. Ghavamzadeh. A comparison between different cytogenetic risk groups to predict outcome in de-novo acute myeloid leukemia after hematopoietic stem cell transplantation. The 21th Congress of the Asia Pacific Blood and Marrow Transplantation. October 28-30, 2016, Singapore.
69. **A.A. Hamidieh**. Stem Cell and Regenerative Medicine in Iran. The First National Festival & International Congress on Stem Cell and Regenerative Medicine, May 19- 21, 2016, Iran.
70. A. Shoaee Hassani, **A.A. Hamidieh**, M. Behfar, A. Mortazavi-Tabatabaei, R. Mohseni, J. Ai, M. De Lima. 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.
71. T. Rostami, M. Behfar, M. Ostadali, **A.A. Hamidieh**. 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.
72. R. Mohseni, **A.A. Hamidieh**, M. Ashrafi. Stem Cells from Subcutaneous Fat Improve the Behavior of Rat Stroke Model More Efficiently: A Preclinical Study. The First National Festival & International Congress on Stem Cell and Regenerative Medicine, May 19-21, 2016, Iran.

73. R. Mohseni, **A.A. Hamidieh**, M. Nikougoftar, M. Ashrafi, J. Ai. Gene Expression Pattern of Neural Like Cells Derived from Adipose Derived Stromal Cells. The First National Festival & International Congress on Stem Cell and Regenerative Medicine, May 19- 21, 2016, Iran.
74. R. Mohseni, **A.A. Hamidieh**, M. Nikougoftar, M. Ashrafi, J. Ai. Combination Therapy of MNCs from Bone Marrow with MSC from Adipose Tissue Improve Muscles Strength after the Stroke. The First National Festival & International Congress on Stem Cell and Regenerative Medicine, May 19-21, 2016, Iran.
75. **A.A. Hamidieh**, M. Behfar, S. Kooraki, A.R. Radmard, T. Rostami, M. Tasbihi, A.P. Hashemi Taheri, A. Ghavamzadeh. Posterior reversible encephalopathy syndrome(PRES) after allogenic stem cell transplantation in pediatric patients with Fanconi anemia. Bone Marrow Transplantation Volume 51: S38; April 2016.
76. **A.A. Hamidieh**, T. Rostami, H. Poustchi, M. Behfar, M. Tasbihi, R. Malekzadeh, A. Ghavamzadeh. Transient elastography changes in the liver of major thalassemia patients after hematopoietic stem cell transplantation. Bone Marrow Transplantation Volume 51: S92; April 2016.
77. **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.
78. **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.
79. 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.
80. A. Ghavamzadeh, M. Yaghmaie, A.P. Hashemi Taheri, M. Sotoodeh, **A.A. Hamidieh**, F. Shahi, M. Jalili, A. Kasaeian, M. Jahani, S.A. Mousavi, B. Bahar, K. Alimoghaddam Evaluation of the Donor-Derived Hepatocyte Cell Repopulation in Co-transplantation of HSCT with Mesenchymal Stem Cells in Major Thalassemia Class III. Bone Marrow Transplantation Volume 51: S315; April 2016.
81. **A.A. Hamidieh**, R. Mohseni, A. Shoaie-Hassani. Subcutaneous fat derived SVF efficiently improves the behavior of rat model after stroke: A preclinical study. Bone Marrow Transplantation Volume 51: S331; April 2016.
82. **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.March2016.
83. **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.

84. **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.
85. 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.
86. 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.
87. **A.A. Hamidieh**. Cell Therapy & Regenerative Medicine Industry. Haematology Conference abstract book. December 1-2, 2015. Dhaka, Bangladesh
88. **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 patients with beta-thalassemia major. The 20th Congress of the Asia Pacific Blood and Marrow Transplantation. Oct.30-Nov.1, 2015, Okinawa, Japan.
89. **A.A. Hamidieh**, Z. Pourpak, M. Behfar, M.R. Fazlollahi, A.S. Hosseini, M. Moin, and 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.
90. **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.
91. A. Ghavamzadeh, **A.A. Hamidieh**, B. Bahar, Vaeziz S. A. Mousavi, K. Alimogha 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.
92. A. Ghavamzadeh, M. Yaghmaie, A.P. Hashemi Taheri, M. Sotoodeh, **A.A. Hamidieh**, F. Shahi, K. Alimoghaddam. Evaluation of the Donor-Derived Hepatocyte Cell Repopulation in Co-transplantation of HSCT with Mesenchymal Stem Cells in Major

Thalassemia Class III. The 20th Congress of the Asia Pacific Blood and Marrow Transplantation. Oct.30-Nov.1, 2015, Okinawa, Japan.

93. **A.A. Hamidieh.** Pediatric Hematopoietic Stem Cell Transplantation in the Asia-Pacific Region: Report on Behalf of the APBMT Group. The Asia-Pacific Colloquium on Hematology. September 2015. Medan, Indonesia.
94. **A.A. Hamidieh,** M. Nikougoftar. Skin Ulcers in Iran. Cord Blood: current experiences and future programs. Milan, Italy, 2015.
95. **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, Supp1. August 2015.
96. **A.A. Hamidieh.** Stem cell donor program. International Congress on Stem Cells and Regenerative Medicine. May 20-22, 2016, Mashhad, Iran.
97. S. Mardpour, N. Hasani, N. Aghdami, J. Ai, **A.A. Hamidieh.** Exosomes as a New Promise in Regenerative Medicine International Congress on Stem Cells and Regenerative Medicine. May 20-22, 2016, Mashhad, Iran.
98. **A.A. Hamidieh.** HSCT in children: Challenges in the Asia-Pacific region. 41th Annual Meeting of the European Group for Blood and Marrow Transplantation, Istanbul, Turkey, March 2015
99. **A.A. Hamidieh,** M. Behfar, M. Ostadali, S. Alizadeh, A. Kasaeian. Outcome of HSCT using full matched grandparents in pediatric patients lacking an HLA-identical sibling. Bone Marrow Transplant Volume 50, Issue S1 March 2015.
100. A. Hussein, **A.A. Hamidieh,** A. Elhaddad, M. Ramzi, T. Ben Othman, F. Hussain, D. Dennison, P. Ahmed, M. Abood, A. Al-Ahmari, A. Wahadneh, J. Fathy, S. Benchekroun, M. Behfar. First Report of Pediatric Hematopoietic Stem Cell Transplantation Activities in the Eastern Mediterranean Region, 1984-2012: On Behalf of Pediatric Cancer Working Committee of the Eastern Mediterranean Blood and Marrow Transplantation (EMBMT) Group. Bone Marrow Transplant Volume 50, Issue S1 March 2015.
101. A. Shoaee-Hassani, **A.A. Hamidieh,** R. Mohseni, P. Keyhanvar, A. Azimi, S.A. Mortazavi Tabatabaei, M. Tondar, P. Ranjbarvan. Human Adipocyte-Derived Mesenchymal Stem cell supports keratinocyte growth in a modified Collagen-Hyaluronic acid matrix. Bone Marrow Transplantation Volume 50, Issue S1 March 2015.
102. 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 beta-thalassemia major patients: A 23-year Iranian experience. Bone Marrow Transplantation Volume 50, Issue S1 March 2015.
103. Mohseni, **A.A. Hamidieh.** Combinational cell therapy for stroke: Bone Marrow

Mononuclear Cells plus Adipose tissue-derived Stem cells improve muscles power after stroke. Bone Marrow Transplantation Volume 50, Issue S1 March 2015.

104. 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.
105. **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.
106. **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.
107. **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.
108. **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.
109. **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.
110. A. Kajbafzadeh, **A.A. Hamidieh**, N. Mahmoudi. Hemorrhagic Cystitis Complicating Bone Marrow Transplantation in Children: New Concepts and Novel Urological Management. The 5th National and First International Stem Cell Congress of Iranian Society for Hematopoietic Stem Cell Transplantation 15-17 January 2015, Tehran, Iran.
111. 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.
112. R. Mohseni, **A.A. Hamidieh**, S. A. Mortazavi-Tabatabaei, M. Tondar. Neural Cells Differentiated from Adipose-Derived Mesenchymal Stromal Cells Seeded onto a Cellular Spinal Cord Matrix Promotes Recovery of Spinal Cord Injury in the Rat Model. The 5th National and First International Stem Cell Congress of Iranian Society for

Hematopoietic Stem Cell Transplantation 15-17 January 2015, Tehran, Iran.

113. A. Shoaee-Hassani, P. Keyhanyar, **A.A. Hamidieh**. Adipose Tissue-Derived Mesenchymal Cells in Combination with Bone Marrow MNCs Improve Cell Therapy in Stroke. The 5th national and First International Stem Cell Congress of Iranian Society for Hematopoietic Stem Cell Transplantation, 15-17 January 2015, Tehran, Iran.
114. A. Ghavamzadeh, K. Alimoghaddam, M. Vaezi, M. Jahani, S.A. Mousavi, B. Bahar, H. Kamranzadeh, **A.A. Hamidieh**, Z. Shahabi, A. Karimi. Post-HSCT Fertility in Patients Receiving non-TBI-Based Conditioning Regimen: A 23-Year Experience in Iran. The 5th National and First International Stem Cell Congress of Iranian Society for Hematopoietic Stem Cell Transplantation, 15-17 January 2015, Tehran, Iran.
115. S. A. Mousavi, K. Alimoghaddam, M. Jahani, B. Bahar, **A.A. Hamidieh**, A. Kasaeian, Ghavamzadeh. Hematologic Stem Cell Transplantation in Lymphoma Patients: The 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.
116. A. Ghavamzadeh, K. Alimoghaddam, M. Vaezi, M. Jahani, S.A. Mousavi, B. Bahar, H. Kamranzadeh, **A.A. Hamidieh**, A. Kasaeian, A. Karimi. Development of New Malignancies after HSCT: A 23-Year Study. The 5th National and First International Stem Cell Congress of Iranian Society for Hematopoietic Stem Cell Transplantation, 15-17 January 2015, Tehran, Iran.
117. Christina Peters, Jean-Hugues Dalle, Stelios Graphakos, Petr Sedlacek, Antonio Campos, M. Akif Yesilipek, Jacek Wachowiak, Arjan C. Lankester, Andrea Pession, **Amir Ali Hamidieh**, Marianne Ifversen, Jochen Büchner, Gergely Krivan, Franca Fagioli, Arnaud Dalissier, Myriam Labopin and Peter Bader. Myeloablative Chemo-Conditioning for First Hematopoietic STEM CELL Transplantation in Children with Acute Lymphoblastic Leukemia in First or Second Remission. Blood 2014 124:546; USA.
118. **A.A. Hamidieh**, M. Behfar, Z. Pourpak, A. Jalali, A. Hosseini, S. Basirpanah, M. Moin, A. Ghavamzadeh. Successful Treatment in Primary HLH 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.
119. **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.
120. **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.
121. 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.

122. A. Ghavamzadeh, **A.A. Hamidieh**, M.Behfar, M. Vaezi, S.A. Mousavi, K. Alimoghaddam. Co-transplantation of Mesenchymal Stem Cells and Hematopoietic 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.
123. M.Yaghmaie, K.Alimoghaddam, M.Jahani, S.A. Mousavi, B.Bahar, **A.A.Hamidieh**, M.Vaezi, E.Ghesari, E.Torkamaniha, N.Gerayeli, A.Jalali, A.Ghavamzadeh. The prognostic significance of intermediate and unfavorable cytogenetics to predict outcome in de novo AML after Stem Cell Transplantation. The 19th Congress of the Asia Pacific Blood and Marrow Transplantation October 16 – 19, 2014, Hangzhou, China.
124. **Hamidieh A.A.**, Radmard, 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.
125. **Hamidieh A.A.**, Beiki D., Paragomi P., Fallahi B., Behfar M., Fard-Esfahani A., Hosseini A. S., Shamshiri A., Eftekhari M., Ghavamzadeh A. A means 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.
126. **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.
127. Ghavamzadeh A., **Hamidieh A.A.**, Alimoghaddam K., Jahani M., Mousavi S. A., Bahar B., Vaezi M., Jalali A., Sharifi Aliabadi L. A comparison between peripheral blood stem cell transplantation and bone marrow transplantation in thalassemia major. Bone Marrow Transplant Volume 49, Issue S1 March 2014.
128. Yaghmaie M, Alimoghaddam K., Jahani M., Moosavi S. A., Bahar B., **Hamidieh A.A.**, Vaezi M., Gheysari E., Torkamaniha E., Gerayeli N., Jalali A., Ghavamzadeh A. The prognostic significance of intermediate and unfavorable cytogenetics to predict outcome in de novo acute myeloid leukemia (AML) after stem cell transplantation. Bone Marrow Transplant Volume 49, Issue S1 March 2014.
129. Ghavamzadeh A., Alimoghaddam K., Jalili M., Jalali A., Sharifi Aliabadi L., **Hamidieh A.A.**, Mousavi S. A., Bahar B., Vaezi M., Jahani M. A comparison between peripheral blood stem cell transplantation and bone marrow transplantation as progenitor cell source in severe aplastic anemia. Bone Marrow Transplant Volume 49, Issue S1 March 2014.
130. Ahmed S. O. Aljurf M., **Hamidieh A.A.**, ElHaddad A., Ben Othman T., Abdel- Rahman F, et al. Rising rates of transplant activity in the eastern Mediterranean region 2000-2010- report of the EBMT. Bone Marrow Transplant Volume 49, Issue S1 March 2014.

131. **Amir Ali Hamidieh**, Maryam Behfar, Leila Sharifi Aliabadi, Arash Jalali, Ashraf Sadat Hosseini, Ardeshtir 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, PageS82, February 2014.
132. **Amir Ali Hamidieh**, Amirpejman Hashemi Taheri, Seyed Mohsen Moosavi, Soheil Kooraki, Maryam Behfar, Ardeshtir 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.
133. **Amir Ali Hamidieh**, Maryam Behfar, Navid Jabalameli, Arash Jalali, Leila Sharifi Aliabadi, Ashraf Sadat Hosseini, Simindokht Basirpanah, Ardeshtir 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.
134. **A.A. Hamidieh**, M.R. Ostadali, S. Moomivand, N. Mehdizadeh, M. Jalili, M. Behfar, 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.
135. Ghavamzadeh, K. Alimoghaddam, L. Sharifi Aliabadi, A. Jalali, **A.A. Hamidieh**, S.A. Mousavi, B. Bahar, M. Vaezi, M. Jahani. Twenty-Two Years of Experience on Stem Cell Transplantation in Iran. The 4th Stem Cell Congress of Iranian Society for Hematopoietic Stem Cell Transplantation 22 -24 January 2014, Tehran, Iran.
136. K. Alimoghaddam, M. Jahani, B. Bahar, S.A. Mousavi, **A.A. Hamidieh**, A. Jalali, A. Ghavamzadeh. Hematopoietic Stem Cell Transplantation in Acute Myelogenous Leukemia Experience in Research Institute For Hematology, Oncology and Stem Cell Transplantation of Tehran University of Medical Sciences. The 4th Stem Cell Congress of Iranian Society for Hematopoietic Stem Cell Transplantation 22 -24 January 2014, Tehran, Iran.
137. M. Vaezi, K. Alimoghaddam, M. Jahani, B. Bahar, **A.A. Hamidieh**, A. Jalali, A. Ghavamzadeh. Acute Lymphoblastic Leukemia Transplantation in Shariati Hospital. The 4th Stem Cell Congress of Iranian Society for Hematopoietic Stem Cell Transplantation 22 -24 January 2014, Tehran, Iran.
138. H. Kamranzadeh, K. Alimoghaddam, S.A. Mousavi, M. Jahani, B. Bahar, **A.A. Hamidieh**, A. Jalali, A. Ghavamzadeh. Hematopoietic Stem Cell Transplantation in Chronic Myeloid Leukemia: A Review of patients and outcomes in the Research Institute for Hematology, Oncology and Stem Cell Transplantation of Tehran University of Medical Sciences. The 4th Stem Cell Congress of Iranian Society for Hematopoietic Stem Cell Transplantation 22 -24 January 2014, Tehran, Iran.
139. A. Mousavi, K. Alimoghaddam, M. Jahani, B. Bahar, **A.A. Hamidieh**, A. Ghavamzadeh. Hematopoietic Stem Cell Transplantation in Lymphoma Patients: The Iranian Experience. The 4th Stem Cell Congress of Iranian Society for Hematopoietic Stem Cell Transplantation 22 -24 January 2014, Tehran, Iran.

Transplantation 22 -24 January 2014, Tehran, Iran.

140. A.R. Radmard, S. Kooraki, A.P. Hashemi Taheri, M. Behfar, **A.A. Hamidieh**. Posterior Reversible Encephalopathy Syndrome (PRES) after Allogeneic 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.
141. 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.
142. **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
143. **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.
144. **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-Blackfan and Fanconi Anemia. The 18th Congress of the Asia Pacific Blood and Marrow Transplantation, November 1 – 3, 2013, Ho Chi Minh City, Vietnam.
145. M. Behfar, **A.A. Hamidieh**, A. Jalali, L. Sharifi Aliabadi, A. Hosseini, A. Ghavamzadeh. Conditioning Therapy with Intravenous versus Oral Busulfan Before 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.
146. **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.
147. **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
148. **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.

149. **A.A. Hamidieh**, M. Behfar, A. Hosseini, L. Sharifi Aliabadi, S. Basirpanah, A. Ghavamzadeh. Treatment of malignant infantile osteopetrosis with hematopoietic stem cell transplantation. Bone Marrow Transplant Volume 48, Issue 2s, April 2013.
150. **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 pediatric patients with acute leukemia undergoing hematopoietic stemcell transplantation. Bone Marrow Transplant Volume 48, Issue 2s, April 2013.
151. **A.A. Hamidieh**, M. Ostadali, S. Tayebi, M. Behfar, A. Jalali, L. Sharifi Aliabadi, A. Ghavamzadeh. Long-term outcomes of hematopoietic stem cell transplantation in pediatric patients with non-malignant disorders using HLA-matched other-relative donor. Bone Marrow Transplant Volume 48, Issue 2s, April 2013.
152. W. Rasheed, A. Ghavamzadeh, R. Hamladji, T. Ben Othman, A. Seraihy, F. Abdel-Rahman, A. Elhaddad, A. Alabdulaaly, D. Dennison, A. Ibrahim, A. Bazarbach, M. Bekadja, S. Mohamed, S. Adil, P. Ahmed, S. Bencheekroun, M. Ramzi, M. Jarrar, F. Hussain, **A. Hamidieh**, M. Aljurf. HSCT practice variation among EMBMT centers in the EMRO region. Bone Marrow Transplant Volume 48, Issue 2s, April 2013.
153. **Amir Ali Hamidieh**. Stem Cell Transplantation in Immunodeficiency Disorders (Iran Experience). The Second International Congress of Immunology, Asthma and Allergy 19 - 21 February 2013, Tehran, Iran.
154. **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. Biology of Blood and Marrow Transplantation. Volume 19, Issue 2, Supplement, Page S248, February 2013.
155. **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. Biology of Blood and Marrow Transplantation. Volume 19, Issue 2, Supplement, Page S225, February 2013.
156. **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. Biology of Blood and Marrow Transplantation. Volume 19, Issue 2, Supplement, Pages S345-S346, February 2013.
157. **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.
158. **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 –beta-beta-beta-thalassemia major. The 17th Congress of the Asia Pacific Blood and Marrow Transplantation, October 26 – 28, 2012, Hyderabad, India.
159. **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.
 160. 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.
 161. **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.
 162. **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.
 163. . Bazarbachi, M. Labopin, A. Ghavamzadeh, S. Giebel, H. Al-Zahrani, T. BenOthman, G. Leone, F. Abdel-Rahman, V. Liso, **A. Hamidieh**, W. Rasheed, Ibrahim, A. Alabdulaaly, S. Kyrz-Krzemien, R. Arnold, M. Kharfan-Dabaja, K. Alimoghaddam, M. Aljurf, M. Mohty. Allogeneic matched-sibling hematopoietic cell transplantation for acute myeloid leukemia in first complete remission: comparable outcomes between Eastern Mediterranean (EMBT) and geographically restricted European (EBMT) participating centers. Bone Marrow Transplant Volume 47, Issue S1, April 2012.
 164. **A.A. Hamidieh**, M. Jalili, M. Behfar, K. Alimoghaddam, M. Jahani, B. Bahar, S.A. Mousavi, M. Iravani, A. Jalali, A. Hamdi, A. Ghavamzadeh. Non-TBI regimens for allogeneic hematopoietic stem cell transplantation in pediatric patients with acute lymphoblastic leukemia: long-term follow-up. Bone Marrow Transplant Volume 47, Issue S1, April 2012.
 165. **AA. Hamidieh**, M. Behfar, K. Alimoghaddam, M. Jahani, B. Bahar, S.A. Mousavi, M. Iravani, M.R. Ostadali, A. Jalali, A. Hamdi, M. Jalili, S. Basirpanah, A. Hosseini. Sharifi, A. Ghavamzadeh. Allogeneic hematopoietic stem cell transplantation in pediatric patients with Fanconi's anemia and severe aplastic anemia. Bone Marrow Transplant Volume 47, Issue S1, April 2012.
 166. **A.A. Hamidieh**, K. Alimoghaddam, M.R. Ostadali, Dehaghi, S.A. Mousavi B. Bahar, M. Jahani, F. Ghaffari, A. Jalali, L. Sharifi Aliabadi, A. Ghavamzadeh. Umbilical cord blood stem cell transplantation outcome. Bone Marrow Transplant Volume 47, Issue S1, April 2012.

167. K. Alimoghaddam, **A.A. Hamidieh**, M.R. Ostadali Dehaghi, S.A. Mousavi, M. Iravani, B. Bahar, M. Jahani, F. Ghaffari, A. Jalali, A. Ghavamzadeh Allogeneic hematopoietic stem cell transplantation: full matched versus one antigen mismatched other than sibling relative donors. Bone Marrow Transplant Volume 47, Issue S1, April 2012.
168. **A.A. Hamidieh**, M.R. Ostadali, A. Hamdi, K. Alimoghaddam, M. Jahani, B. Bahar, S.A. Mousavi, M. Iravani, 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-thalassemia major. Bone Marrow Transplant Volume 47, Issue S1, April 2012.
169. **A.A. Hamidieh**, Z. Pourpak, M. Jalili, M.R. Fazlollahi, M. Behfar, M. Movahedi, Hosseini, S. Basirpanah, A. Hamdi, A. Jalali, M. Moin, A. Ghavamzadeh. Hematopoietic stem cell transplantation in primary immunodeficiency diseases: the Iranian experience. Bone Marrow Transplant Volume 47, Issue S1, April 2012.
170. **A.A. Hamidieh**, H. Poustchi, B. Shazad, A. Hamdi, M. Jalili, M. Behfar, A. Hosseini, Jalali, R. Malekzadeh, A. Ghavamzadeh Value of transient elastography (Fibro-Scan) in assessment of liver fibrosis in patients with Beta-thalassemia major considered as candidates for hematopoietic stem cell transplantation. Bone Marrow Transplant Volume 47, Issue S1, April 2012.
171. **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.
172. **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. Volume 18, Issue 2, Supplement, Page S280, February 2012.
173. **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 Metaiodo-benzyl guanidine (MIBG) in Patients with High-Risk Neuroblastoma. Biology of Blood and Marrow Transplantation. Volume 18, Issue 2, Supplement, Page S251, February 2012.
174. **A.A. Hamidieh**, H. Poustchi, B. Shazad, M. Jalili, A. Hamdi, M. Behfar, A. Jalali, R. Malekzadeh, A. Ghavamzadeh. Assessment of Liver Fibrosis by Diagnostic Value of Transient Elastography (Fibro-scan) in patients with β -Thalassemia Major Considered as Candidates for Hematopoietic Stem Cell Transplantation. Biology of Blood and Marrow Transplantation. Volume 18, Issue 2, Supplement, Pages S330-S331, February 2012.
175. Ardeshtir Ghavamzadeh, Amir Hooshang Pourkhani, Kamran Alimoghaddam, Mohammadreza Ostadali Dehaghi, **Amir Ali Hamidieh**, Seied Asadollah Mousavi, Roshanak Derakhshandeh, Arash Jalali, Mahdi Jalili, and Mohamad Jahani. Efficacy of Reduced Induction Chemotherapy and Early Transplantation in ALL Patients. Blood 2011 118:4487; USA.

176. **Amir Ali Hamidieh**, Maryam Behfar, Fatemeh Moeininia, Mahdi Jalili, Ahmad Reza Shamshiri, Kamran Alimoghaddam, Ardeshir Ghavamzadeh. 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, 30 October - 2 November 2011, Sydney, Australia.
177. **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, 30 October - 2 November 2011, Sydney, Australia.
178. **Amir Ali Hamidieh**, Maryam Behfar, Ashrafsadat Hosseini, Ommonbanin Bakhti, Simindhokht Basirpanah, Mahdi Jalili, Kamran Alimoghaddam, Ardeshir Ghavamzadeh. Treatment of Inborn Errors of Metabolism with Allogeneic Hematopoietic StemCell Transplantation. The 16th Congress of the Asia Pacific Blood and Marrow Transplantation, 30 October - 2 November 2011, Sydney, Australia.
179. **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, 30 October - 2 November 2011, Sydney, Australia.
180. A Ghavamzadeh, K Alimoghaddam, M Jahani, **AA Hamidieh**, SA Mousavi, Miravani, B Bahar, R Derakhshandeh, A Jalali. Twenty Years of Experience of Stem Cell Transplantation in Iran. The 16th Congress of the Asia Pacific Blood and Marrow Transplantation, 30 October - 2 November 2011, Sydney, Australia.
181. A Ghavamzadeh, M Fakharrian, K Alimoghaddam, MR Ostadali Dehaghi, **AA Hamidieh**, M Jahani, R Derakhshandeh, A Jalali. Haploidentical Hematopoietic Stem Cell Transplantation without T Cell Depletion for Treatment of Hematological Malignancies. The 16th Congress of the Asia Pacific Blood and Marrow Transplantation, 30 October - 2 November 2011, Sydney, Australia.
182. **Hamidieh Amir Ali**, Pourpak Zahra, Alimoghaddam Kamran, Fazlollahi Mohammad Reza, Hosseini Ashraf Sadat, Movahedi Masoud, Derakhshandeh Roshanak, Jalali Arash, Moin Mostafa, Ghavamzadeh Ardeshir. Reduced Intensity Umbilical Cord Blood Transplantation in Pediatric Patients with Primary Immunodeficiencies. 3rd World Cord Blood Congress, October 27-29, 2011, Rome, Italy.
183. **A.A. Hamidieh**, M. Ostadali, Houseini, O. Bakhti, S. Basipanah, 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.
184. **A.A. Hamidieh**, Z. Pourpak, M. Behfar¹, 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.

185. **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.
186. **A.A. Hamidieh**, A. Ghavamzadeh, K. Alimoghaddam, M. Ostadali Dehaghi, 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.
187. **A.A. Hamidieh**, K. Alimoghaddam, A. Huoseini, H. Jorjani, A. Jalali, R. Derakhshandeh, A. Ghavamzadeh. Autologous Stem Cell Transplantation for High-Risk Neuroblastoma: The Iranian Experience. Bone Marrow Transplantation Vol. 46, Supplement 1, April 2011.
188. **Amir Ali Hamidieh**, Mohammadreza Ostadali, Mahdi Jalili, Maryam Behfar, Simindokht Basirpanah, Asharfosadat 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.
189. **Amir Ali Hamidieh**, Maryam Taghizadeh Ghehi, Molook Hajibabaii, Mahdi Jalili, Ashrafolsadat Houseini, 1Ommonbanin Bakhti, Simindokht Basirpanah, Ardeshir Ghavamzadeh. Daclizumab as a Second-Line Treatment of Graft-versus-Host Disease in pediatrics Biology of Blood and Marrow Transplantation Vol. 17, Issue 2, Supplement, Page S265, February 2011.
190. Ardeshir Ghavamzadeh, Kamran Alimoghaddam, **Amir Ali Hamidieh**, Mahdi Jalili, Babak Bahar, Masoud Iravani, Seyyed Asadollah Mousavi, Mohammad Jahani. Peripheral Blood Stem Cell Transplantation versus Bone Marrow Transplantation in Severe Aplastic Anemia. Biology of Blood and Marrow Transplantation Vol. 17, Issue2, Supplement, Page S291, February 2011.
191. Ardeshir Ghavamzadeh, **Amir Ali Hamidieh**, Farhad Shahi, Marjan Yaghmaei, Fatemeh Seddighi, Seyyed Mohammad Tavangar, Mahdi Jalili, Kamran Alimoghaddam. Stem Cell Derived Hepatocytes after Co-Transplantation of Mesenchymal and Hematopoietic Stem Cells in Class III Beta Thalassemia Major Patients. Biology of Blood and Marrow Transplantation Vol. 17, Issue 2, Supplement,Page S222, February 2011.
192. **Amir Ali Hamidieh**, Fatemeh Moeininia, Kamran Alimoghaddam, Mahdi Jalili, Ahmadreza Shamshiri, Ardeshir Ghavamzadeh. Evaluation of myocardial and hepatic T2* MRI changes in beta thalassemia major hematopoietic stem cell transplantation recipients and the effect of iron overload therapy. Biology of Blood and Marrow Transplantation Volume 17, Issue 2, Supplement, Page S296, February 2011.
193. K. Alimoghaddam, M. Jahani, S.A. Mousavi, B. Bahar, M. Iravani, **A.A. Hamidieh**, H. Jorjani, A. Jalali, A. Ghavamzadeh. Hematopoietic Stem Cell Transplantation in Lymphoma Patients: The Iranian Experience. Biology of Blood and Marrow Transplantation Vol. 17, Issue 2, Supplement, Page S252, February 2011.
194. **Hamidieh AA.**, Jalili M., Ostadali MR., Ghavamzadeh A. First Donor Registry in the EastMediterranean Region: Iranian Stem Cell Donor Program. The 15th Congress of

the Asia Pacific Blood and Marrow Transplantation October 29-31, 2010. Phuket Thailand

195. **Hamidieh Amir Ali**, Jalili Mahdi, Jahani Mohammad, Alimoghaddam Kamran, Bahar Babak, Mousavi Asadollah, Iravani Masoud, Basipanah Simindohkt, Houseini Ashrafossadat, Bakhti Omonbanin, Ghavamzadeh Ardeshtir. Non-TBI stem cell transplantation for children with leukemia: a long-term follow-up, single-center study. The 15th Congress of the Asia Pacific Blood and Marrow Transplantation, October 29-31, 2010. Phuket Thailand
196. Ghavamzadeh A., Alimoghaddam K., Karimi A., **Hamidieh AA.**, Shamschiri A.R. Mesenchymal stromal cells and hematopoietic stem cells in thalassemia. The 15th Congress of the Asia Pacific Blood and Marrow Transplantation, October 29-31, 2010. Phuket Thailand.
197. Ghavamzadeh A, **Hamidieh A**, Jahani M, Alimoghaddam K, Mousavi SA, Iravani M, Bahar B, Jorjani H, Jalali A. Comparisons between Peripheral Blood Stem Cell Transplantation versus Bone Marrow Transplantation in Thalassemia Major. 15th Congress of the Asia Pacific Blood and Marrow Transplantation, October 29-31, 2010, Phuket, Thailand.
198. Ghavamzadeh A, Alimoghaddam K, Jahani M, Bahar B, Mousavi SA, Iravani M, **Hamidieh A**, Jorjani H, Jalali A. Autologous Stem Cell Transplantation in Hodgkin's Lymphoma Patients in Iran. 15th Congress of the Asia Pacific Blood and Marrow Transplantation, October 29-31, 2010, Phuket, Thailand.
199. Ghavamzadeh A, Alimoghaddam K, Jahani M, Bahar B, Mousavi SA, Iravani M, **Hamidieh A.A.**, Jorjani H, Jalali A. Hematopoietic Stem Cell Transplantation in Non-Hodgkin Lymphoma Patients: The Iranian Experience. 15th Congress of the Asia Pacific Blood and Marrow Transplantation, October 29-31, 2010, Phuket, Thailand.
200. Moeininia F, A Ghavamzadeh, **A Hamidieh**, F Moeininia, K Ali Moghadam, M Jalili, A Shamschiri. Assessment of Iron Overload with T2*MRI In Ex-Thalassemic Patients After Stem Cell Transplantation: An Interim Report. Haematologica 2010; 95[suppl.2]:446, abs. 1085.
201. **A.A. Hamidieh**, M.R. Ostadali, M. Jalili, S. Basirpanah, A. Hoseini, O. Bakhti, A. Ghavamzadeh. Allogeneic hematopoietic stem cell transplantation in pediatric patients without a matched sibling donor: Iranian experience. 36th Annual Meeting of The European Group for Blood and Marrow Transplantation, Vienna, Austria, 2010.
202. **A.A. Hamidieh**, M. Jahani, K. Alimoghaddam, S.A. Mousavi, M. Iravani, B. Bahar, Khodabandeh, M. Jalili, B. Darbandi, A. Ghavamzadeh. The outcome of children with chronic myelogenous leukemia given allogeneic hematopoietic stem cell transplantation. 36th Annual Meeting of the European Group for Blood and Marrow Transplantation, Vienna, Austria, 2010
203. A. Ghavamzadeh, K. Alimoghaddam, S.A. Mousavi, M. Iravani, **A. Hamidieh**, F. Khatami, A. Jalali, M. Jahani. Stem cell transplantation in Hodgkin's lymphoma patients: Iranian experience. 36th Annual Meeting of the European Group for Blood and Marrow Transplantation, Vienna, Austria, 2010

204. S.O. Ahmed, A. Ghavamzadeh, S. Zaidi, H. Baldomero, M. Pasquini, F. Hussain, K. Alimoghaddam, F. Almohareb, M. Ayas, **A.A. Hamidieh**, et al. Trends in hematopoietic stem cell transplantation in the Eastern Mediterranean region over a 23-year period (1984 to 2007). 36th Annual Meeting of the European Group for Blood and Marrow Transplantation, Vienna, Austria, 2010.
205. Ghavamzadeh, K. Alimoghaddam, **A.A. Hamidieh**, S.A. Mousavi, M. Iravani, B. Bahar, F. Khatami, A. Jalali, A. Alimohammadi, M. Jahani. Comparisons between allogeneic peripheral blood stem cell transplantation versus bone marrow stem cell transplantation in Thalassemia major. 36th Annual Meeting of the European Group for Blood and Marrow Transplantation, Vienna, Austria, 2010
206. M.R. Ostadali, M. Vahidfar, K. Alimoghaddam, **A.A. Hamidieh**, M. Iravani, S.A. Mousavi, B. Bahar, M. Jahani, A. Khodabandeh, A. Shamshiri, M. Jalili, A. Arjmand, B. Chahardouli, A.S. Mousavi, S. Basirpanah, S. Khalilvand, Z. Shahriari, A. Ghavamzadeh. Haploidentical stem cell transplantation by in vivo T-cell depletion: Iranian experience. 36th Annual Meeting of the European Group for Blood and Marrow Transplantation, Vienna, Austria, 2010
207. A. Ghavamzadeh, S.A. Mousavi, K. Alimoghaddam, **A.A. Hamidieh**, M. Iravani, B. Bahar, M. Jalili, M. Jahani. Comparisons between allogeneic peripheral blood stem cell transplantation and allogeneic bone marrow transplantation in severe aplastic anaemia. 36th Annual Meeting of the European Group for Blood and Marrow Transplantation, Vienna, Austria, 2010
208. A. Ghavamzadeh, K. Alimoghaddam, M. Jahani, **A.A. Hamidieh**, S.A. Mousavi, M. Iravani, B. Bahar, A. Khodabandeh, F. Khatami, A. Jalali. The incidence of secondary malignancy post-stem cell transplantation: importance of conditioning regimens without total body irradiation. 36th Annual Meeting of the European Group for Blood and Marrow Transplantation, Vienna, Austria, 2010
209. **A.A. Hamidieh**, K. Alimoghaddam, M. Jahani, A. Mousavi, M. Iravani, A. Khodabandeh, B. Bahar, M. Jalili, S. Basirpanah, A. Hoseini, A. Ghavamzadeh. Pediatric Hematopoietic Stem cell transplantation: Iranian experience. 6th SIOP ASIA Congress to be held on Kish Island, March 3 - 5, 2010, IRAN.
210. **A.A. Hamidieh**, Z. Pourpak, K. Alimoghaddam, M.R. Fazlollahi, M. Jalili, M. Movahedi, M. Moin, A. Ghavamzadeh. Fludarabine-Based Reduced Intensity Conditioning Regimens for Hematopoietic Stem Cell Transplantation in Pediatric Patients with Primary Immunodeficiency. Biology of Blood and Marrow Transplantation. February 2010 (Vol. 16, Issue 2, Supplement, Page S182)
211. A. Ghavamzadeh, K. Alimoghaddam, M. Jahani, **A.A. Hamidieh**, S.A. Mousavi, F. Khatami, A. Jalali, A. Alimohammadi. Hematopoietic Stem Cell Transplantation for Major Thalassemia: Nineteen Years of Experience in Iran. Biology of Blood and Marrow Transplantation February 2010 (Vol. 16, Issue 2, Supplement, Page S159)
212. A. Ghavamzadeh, **A.A. Hamidieh**, M. Jahani, K. Alimoghaddam, M. Iravani, S.A. Mousavi, B. Bahar, A. Khodabandeh, M. Jalili. HLA-Matched Related Donor Hematopoietic Stem Cell Transplantation in 36 Pediatric Patients with Severe Acquired Aplastic Anemia. Biology of Blood and Marrow Transplantation. February 2010 (Vol. 16, Issue 2, Supplement, Page S250)

213. A. Ghavamzadeh, K. Alimoghaddam, **A.A. Hamidieh**, A. Karimi, M. Bashtar, A.R. Shamshiri. Co-Transplantation Of HLA-matched Related Donors Culture-Expanded Mesenchymal Stromal Cells and Hematopoietic Stem Cells in Thalassemia Major Patients. Biology of Blood and Marrow Transplantation. February 2010 (Vol. 16, Issue2, Supplement, Page S214)
214. **Amir Ali Hamidieh**, Kamran Alimoghaddam, Mohammad Jahani et al. Hematopoietic stem cell transplantation for high-risk neuroblastoma: the Iranian experience. 20th Asia Pacific Cancer Conference (APCC) November 12-14, 2009. Tsukuba, Japan.
215. Ardeshtir Ghavamzadeh, Kamran Alimoghaddam, Amir Ali Hamidieh et al. Autologous and Allogeneic Hematopoietic Stem Cell Transplantation for Solid Tumor Patients. 20th Asia Pacific Cancer Conference (APCC) November 12-14, 2009. Tsukuba, Japan.
216. Kamran Alimoghaddam, Mohammad Jahani, **Amir Ali Hamidieh** et al. Hematopoietic Stem Cell Transplantation in Acute Leukemia: 19 Years Experience in Iran. 20th Asia Pacific Cancer Conference (APCC) November 12-14, 2009. Tsukuba, Japan.
217. **Hamidieh A.A.**, Pourpak Z, Alimoghaddam K, et al. Hematopoietic stem cell transplantation in primary immunodeficiency diseases: Iranian experience. Congress of Asia Pacific Blood and Marrow Transplantation on August 27-29, 2009, Seoul, Korea.
218. **Amir Ali Hamidieh**, Kamran Alimoghaddam, Mohammad Jahani, et al. Hematopoietic Stem Cell Transplantation for High-Risk Neuroblastoma: The Iranian Experience. Congress of Asia Pacific Blood and Marrow Transplantation on August 27-29, 2009, Seoul, Korea.
219. Mohammadreza Ostadali, **Amir Ali Hamidieh**, et al. Systematic Search for Matched Other Related Donors for Hematopoietic Stem Cell Transplantation. Congress of Asia-Pacific Blood and Marrow Transplantation on August 27-29, 2009, Seoul, Korea.
220. Ardeshtir Ghavamzadeh, Kamran Alimoghaddam, Mohammad Jahani, Seyed Asadollah Mousavi, Masood Irvani, Babak Bahar, Ali Khodabandeh, Eisa Baybordi, **Amir Ali Hamidieh**, et al. Hematopoietic Stem Cell Transplantation in Iran. Congress of Asia Pacific Blood and Marrow Transplantation on August 27-29, 2009, Seoul, Korea.
221. Seyed Asadollah Mousavi, Kamran Alimoghaddam, Mohammad Jahani, Babak Bahar, Masood Irvani, Ali Khodabandeh, **Amir Ali Hamidieh**, et al. Autologous Hematopoietic Stem Cell Transplantation with Busulfan and Etoposide as Conditioning Regimen for Acute Myelogenous Leukemia Patients. Congress of Asia Pacific Blood and Marrow Transplantation on August 27-29, 2009, Seoul, Korea.
222. Seyed Asadollah Mousavi, Kamran Alimoghaddam, Farnaz Khatami, Arash Jalali, Mohammad Jahani, Babak Bahar, Masood Irvani, Ali Khodabandeh, **Amir Ali Hamidieh**, Ardeshtir Ghavamzadeh. Autologous Hematopoietic Stem Cell Transplantation with Busulfan and Etoposide used as Conditioning Regimen for Acute Myelogenous Leukemia patients. Congress of Asia Pacific Blood and Marrow Transplantation on August 27-29, 2009, Seoul, Korea.
223. Kamran Alimoghaddam, Mohammad Jahani, Masood Irvani, Seyed Asadollah Mousavi, **Amir Ali Hamidieh**, et al. First Complete Remission Versus Non-First Complete Remission in Acute Myelogenous Leukemia with Allogeneic Hematopoietic

Stem Cell Transplantation. Congress of Asia Pacific Blood and Marrow Transplantation on August 27-29, 2009, Seoul, Korea.

224. Ardeshtir Ghavamzadeh, Masood Irvani, Kamran Alimoghaddam, Mohammad Jahani, Seyed Asadullah Mousavi, **Amir Ali Hamidieh**, et al. Autologous and Allogeneic Hematopoietic Stem Cell Transplantation for Solid Tumor Patients. Congress of Asia Pacific Blood and Marrow Transplantation on August 27-29, 2009, Seoul, Korea.
225. Ardeshtir Ghavamzadeh, Kamran Ali Moghaddam, Mohammad Jahani, **Amir Ali Hamidieh**, et al. Hematopoietic Stem Cell Transplantation for Severe Thalassemia: Nineteen years of experience in Iran. Congress of Asia Pacific Blood and Marrow Transplantation on August 27-29, 2009, Seoul, Korea.
226. Fattahi F, Pourpak Z, Badalzadeh M, Movahedi M, Fazlollahi M, Mansouri S, Behmanesh F, **Hamidieh A**, et al. Mutation analysis of the NCF1 gene in chronic granulomatous disease patients with the P47-phox deficiency in Iran. 28th Congress of the European Academy of Allergy and Clinical Immunology, Warsaw, Poland, Jun 06- 10, 2009.
227. **A.A. Hamidieh**, M. Jalili, A. Ghavamzadeh, M. Jahani, et al, Severe hemorrhagic cystitis in children undergoing hematopoietic stem cell transplantation. Bone Marrow Transplantation Vol. 43, Issue S1, 2009.
228. A. Ghavamzadeh, **A.A. Hamidieh**, M. Jahani, K. Ali Moghaddam, et al, Hematopoietic stem cell transplantation from related donors in severe beta thalassemia. Bone Marrow Transplantation Vol. 43, Issue S1, 2009.
229. A. Ghavamzadeh, K. Ali Moghaddam, **A.A. Hamidieh**, A. Karimi, et al, Co-transplantation of HLA-identical related donors' mesenchymal stromal cells and hematopoietic stem cells in class III thalassemia major patients. Bone Marrow Transplantation Vol. 43, Issue S1, 2009.
230. **A.A. Hamidieh**, A. Ghavamzadeh, M. Jahani, K. Ali Moghaddam, et al. Hematopoietic stem cell transplantation in pediatrics with acute leukemia. Bone Marrow Transplantation Vol. 43, Issue S1, 2009.
231. **A.A. Hamidieh**, Z. Pourpak, K. Ali Moghaddam, et al. Results of Hematopoietic Stem Cell Transplantation in Patients with Leukocyte Adhesion Deficiency Type I. Biology of Blood and Marrow Transplantation Vol 15, Supplement 2, 2009.
232. Z. Pourpak, **A.A. Hamidieh**, M. Ardalan, et al. Hematopoietic stem cell transplantation in primary immunodeficiency diseases. 20th International Congress of Pediatrics, Tehran, Iran, October 7-14, 2008.
233. **A.A. Hamidieh**, Z. Pourpak, K. Ali Moghaddam, et al. Report of Stem cell Transplantation in patients with Leukocyte Adhesion Deficiency. 20th International Congress of Pediatrics, Tehran, Iran, October 7-14, 2008.
234. A. Ghavamzadeh, **A.A. Hamidieh**, M. Jahani, et al. Stem cell Transplantation in children. 8th Iranian Congress of Hematology and Oncology, Urmia, Iran, October 9- 11, 2008.

235. A. Ghavamzadeh, **A.A. Hamidieh**, M. Jalili, et al. Severe Hemorrhagic cystitis following Hematopoietic Stem Cell Transplantation in children. 8th Iranian Congress of Hematology and Oncology, Urmia, Iran, October 9-11, 2008.
236. A. Ghavamzadeh, **A.A. Hamidieh**, M. Jahani. Allogenic Hematopoietic Stem Cell Transplantation from Related Donors in Fanconi Anemia. 8th Iranian Congress of Hematology and Oncology, Urmia, Iran, October 9-11, 2008.
237. A. Ghavamzadeh, **A.A. Hamidieh**, Z. Pourpak, et al, Hematopoietic stem cell transplantation in congenital immunodeficiency diseases from Iran. Bone Marrow Transplantation Vol. 41, Supplement 1, 2008.
238. A. Ghavamzadeh, M. Jahani, **A.A. Hamidieh**, et al. Hematopoietic Stem Cell Transplantation in Fanconi`s anemia from Iran: outcome of 27 patients. Bone Marrow Transplantation Vol. 41, Supplement 1, 2008.
239. A. Ghavamzadeh, M. Jahani, K. Ali Moghaddam, **A.A. Hamidieh**, et al. Pediatric Hematopoietic Stem Cell Transplantation in Iran. Bone Marrow Transplantation Vol.41, Supplement 1, 2008.
240. A. Ghavamzadeh, **A.A. Hamidieh**, M. Jalili, et al. Severe Hemorrhagic Cystitis Following Hematopoietic Stem Cell Transplantation in Children. Abstract book of the 1st Iranian pediatric urology congress, 2007. Tehran, Iran.
241. A. Ghavamzadeh, Z. poorpak, K. Ali Moghaddam, **A.A. Hamidieh**. Allogenic stem cell transplantation in three children with congenital immunodeficiency. Immunology, asthma and allergy congress, 2007. Tehran, Iran.
242. A. Ghavamzadeh, **A.A. Hamidieh**, M. Jahani, et al. Hematopoietic Stem Cell Transplantation (HSCT) in Fanconi Anemia from Iran: Outcome of 24 Patients. Nineteenth Annual Fanconi Anemia Research Fund. Scientific Symposium, 2007, Chicago, Illinois.

Books

1. Sayad A, Ganji M, Taheri M, Mohseni R, **Hamidieh A.A**. Biobanking in 21 st century. 2017, Drkhalili group pub.
2. Sayad A, **Hamidieh A.A**, Stem cell processing, 2017, Dr. Khalili Group pub.
3. Ayas M, Ghavamzadeh A, Aljurf M, **Hamidieh A.A**, Alseraihy A. Umbilical Cord BloodBanking and Transplantation. Cord Blood Transplantation in the East MediterraneanRegion, Chapter 12.2013, Springer pub.
4. **Hamidieh A.A**: ANEMIAS. 2006, Teimourzadeh pub.
5. **Hamidieh A.A**.: Diseases of the blood, cancer, and benign tumors. 2005, Teimourzadeh pub.

VIII. Honors and Awards

1. Selected as the influential face in Iran Biotechnology / 5th International Conference and 13th National Biotechnology Conference, 2023.
2. Selected clinical researcher in the 28th Razi Medical Sciences Research and Technology Festival, 2023.
3. Alborz Prize (Iranian Nobel) Award for Great Scientific Contribution, 2021.
4. Third Prize for Best Oral Presentation at 17th Congress of the Asia Pacific Blood and Marrow Transplantation, October 26 – 28, 2012, Hyderabad, India.
5. 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 the 10th Asia Oceania Congress of Nuclear Medicine and Biology (AOFNMB). 16 - 20 May 2012, Tehran, Iran.
6. 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, 2014 - 2 November 2011, Sydney, Australia.
7. Selected as an "Exemplary Professor" of Shariati Hospital on Teacher's Appreciation Day, 2011.
8. 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
9. ASBMT Young Investigator Award, ASBMT Tandem meetings, Feb. 24-28, 2010, Orlando, Florida
10. 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
11. Awarded the Medical Book of the Year award, entitled ANEMIA, 2006
12. Honored as the best researcher, Shahid Beheshti University of Medical Sciences, 2006