



# **CURRICULUM VITAE**

## **Fahimeh Jafari, BMLS**

### **I. Personal Data**

**Birth date:** 09/04/1965  
**Place of birth:** Shahrood  
**Home town:** Tehran  
**Citizenship:** Iran  
**Nationality:** Iranian  
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**Current position:** Pediatric HSCT Laboratory Supervisor of Children's Medical Center of Tehran University of Medical Sciences  
**Work address:** Children's Medical Center,  
Qarib St, Keshavarz Blvd, Tehran 14194, Iran

### **II. Education**

**2023** Bachelor of Medical Laboratory Science  
Tehran University of Medical Sciences

### **III. Work Experience**

**2021-Present** Supervisor of Pediatric HSCT Laboratory,  
Children's Medical Center, Tehran University of Medical Sciences

**2019-present** Responsible for the National & International Correspondence of  
Children's Medical center HLA Registry, Tehran University of  
Medical Sciences

2017-present	<b>Responsible for the Isolation &amp; Processing of Hematopoietic Stem Cells, Pediatric Stem Cell Transplant Award, Children's Medical Center</b>
2013-2016	<b>Head of blood banking department of Children's Medical Center, Tehran University of Medical Sciences</b>
2000-2013	<b>Responsible for the Biochemistry Tests of Laboratory, Children's Medical Center, Tehran University of Medical Sciences</b>

#### IV. Articles

1. Rashin Mohseni, Pouya Mahdavi Sharif, Maryam Behfar, Mohammad Reza Modaresi, Rohola Shirzadi, Mahta Mardani, Leila Jafari, **Fahimeh Jafari**, Zeynab Nikfetrat and Amir Ali Hamidieh. 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 Research & Therapy*. 2023; 14:256. <https://doi.org/10.1186/s13287-023-03498-y>

#### V. Abstracts

1) Leila Jafari, Maryam Behfar, Rashin Mohseni ,Yalda Karamlou , Azam Rahmani ,**Fahimeh Jafari** ,Elahe Maki ,Zeinab Nikfetrat ,Amir Ali Hamidieh. THE OUTCOME OF HSCT IN PEDIATRIC PATIENTS WITH NON-SCID PID USING RIC REGIMENS. 2022. **The 27th Annual Meeting of Asia-Pacific Blood and Marrow Transplantation Annual meeting (APBMT)**.

2) 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 MIOB patients. **Oral Speaker**. 2021. **The 26<sup>th</sup> Asia Pacific Blood and Marrow Transplantation Annual meeting (APBMT)**.

3) Leila Jafari, Maryam Behfar, Hadi Mottaghipisheh, Rashin Mohseni, **Fahimeh Jafari**, Zeinab Nikfetrat, Leila Hejazipour, Hamideh Keikani , Amir Ali Hamidieh. The Outcome of Hematopoietic Stem Cells Transplantation (HSCT) In Pediatric Patients In COVID-19 Pandemic: Impact of Delta Variate. 2021. **The 26<sup>th</sup> Asia Pacific Blood and Marrow Transplantation Annual meeting (APBMT)**.

4) Amir Ali Hamidieh, Maryam Behfar, Leila Jafari, Hadi Mottaghipisheh, Parisa Naji, Rashin Mohseni, **Fahimeh Jafari** and Zeynab Nikfetrat. Plerixafor Combined with G-CSF for Pediatric Autologous Hematopoietic Stem Cell Mobilization. Tehran University of Medical Science, Tehran, Iran. 2021. **American Society for Cytotechnology Annual Conference (ASCT)**.

5) 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. 2021. **47<sup>th</sup> Annual Meeting of the European Society for Blood and Marrow Transplantation (EBMT)**.

- 6)** Naji P, Behfar M, Mohseni R, Makki Talehjerdi E.S., **Jafari F**, Nikfetrat Z, Hejazipour L, Jafari F, Hamidieh AA. Neuroblastoma 18 mCi/Kg 131 I-MIBG Autologous Hematopoietic Stem Cell Transplantation; A Single-Center Experience 2021. **47th Annual Meeting of the European Society for Blood and Marrow Transplantation (EBMT)**.
- 7)** Maryam Behfar, Hadi Motaghi Pisheh, Rashin Mohseni, **Fahime Jafari**, Zeinab Nikfetrat, Amir Ali Hamidieh. Impact of cryopreserved photopheresis in graft versus host disease for non-malignant disorders after allogeneic hematopoietic stem cell transplantation in paediatric patients. 2021. **47th Annual Meeting of the European Society for Blood and Marrow Transplantation (EBMT)**.
- 8)** Mahsa Bakhtiary, Sahar Taebi, Maryam Behfar, Rashin Mohseni, **Fahimeh Jafari**, Mahta Mardani, Zeinab Nikfetrat, Leila Hejazipour, Amir Ali Hamidieh. Incidence of Hemorrhagic Cystitis Following Hematopoietic Stem Cell Transplantation in Pediatric Patients based on the underlying disease. 2021. **47th Annual Meeting of the European Society for Blood and Marrow Transplantation (EBMT)**.
- 9)** Rashin Mohseni, Maryam Behfar, Safari-Sharari, **Fahime Jafari**, Zeinab Nikfetrat, Leila Hejazipour, Hamideh Keikani, Pourya Salajegheh, Amir Ali Hamidieh. Hematopoietic Stem Cell Transplantation for inborn errors of metabolism using alternate donors: a prospective single study. 2020. **46th Annual Meeting of the European Society for Blood and Marrow Transplantation (EBMT)**.
- 10)** Behfar M, Jamee M, Khavandegar A, Safari-Sharari A, Mohseni R, **Jafari F**, Nikfetrat Z, Hejazipour L, Keikani H, Hamidieh AA. Improving the result of hematopoietic stem cell transplantation for primary immunodeficiency with serious infection in developing countries using RIC regimen. 2020. **46th Annual Meeting of the European Society for Blood and Marrow Transplantation (EBMT)**.
- 11)** 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. 2020. **46th Annual Meeting of the European Society for Blood and Marrow Transplantation (EBMT)**.

## **VI. Research Projects (ongoing and finished)**

1. Beta thalassemia gene therapy (first phase): construction of efficient lentivirus construct carrying human beta globin gene and its transduction into CD34 stem cells isolated from thalassemia major patients
2. 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
3. Construction of the cord blood allogeneic platelet gummi candy and investigation its effect on the Oral cavity resistant GVHD wounds: A pilot clinical study
4. Evaluation of the Safety and Efficiency of human Umbilical Cord Derived Mesenchymal Stem Cell Exosomes in patients with ARDS of COVID-19 ; An interventional randomized double-blind controlled clinical trial: phase I and II

5. 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
6. Evaluation of Safety and Effectiveness of Allogeneic Adipose Derived Mesenchymal Stem Cells in Bronchiolitis Obliterans Syndrome (BOS) after Allogeneic Hematopoietic Stem Cell Transplantation
7. 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)
8. The Safety Evaluation of Ex vivo Activated Haploididentical Natural Killer Cells (NK) in Recurrent Glioblastoma Multiform patients (Clinical Trial Phase I)
9. Clinical trial phase I and II of allogenic NK cells in Coronavirus Pneumonia patient, interventional, both side blind, open label, randomized
10. Iranian Fanconi Anemia Registry
11. Safety assessment of the CD19 CAR T cell on the B cell acute lymphoblastic leukemia in pediatric patients
12. Determining the effectiveness of photopheresis using cryopreservation in the treatment of GvHD resistant to steroids in children

## **IX. Congress & Workshop Attendance**

1. 5th Symposium of Immune cell Therapy. Tehran University of Medical Sciences, 23-24 February 2022, Tehran, Iran.
2. 4th Symposium on Immune Cell Therapy. Tehran University of Medical Sciences, 6 February 2020, Tehran, Iran.
3. Fifth Genetics and Stem Cell Symposium with Gene Therapy Approach. Tehran University of Medical Sciences, 2 May 2019. Tehran, Iran.
4. The 3rd National Festival and the International Congress on Stem cells and Regenerative Medicine. 24 Nov – 1 Dec 2018. Tehran, Iran.
5. The 2nd National Festival and International Congress on Stem Cells and Regenerative Medicine, 13-15 July 2017. Tehran, Iran.
6. The Third Symposium of Genetics and Stem Cells. National research center of genetic engineering and biotechnology. 27th December 2017. Tehran, Iran.
7. The 3th Iranian annual congress on progress in tissue engineering and regenerative medicine. Iran University of Medical Sciences. 19-21 October 2016. Tehran, Iran.
8. 1st Iranian workshop and symposium of Hematopoietic stem cell transplantation. 11 August 2016, Children Medical Center, Tehran, Iran.
9. The First National festival & International Congress on Stem Cell and Regenerative Medicine, 19-21 May 2016. Tehran, Iran.
10. 1st Symposium of Immune cell Therapy. Shahid Beheshti University of Medical Sciences, 3 March 2016, Tehran, Iran.
11. The 1st International and 5th National Congress on Stem Cells. Iranian Society of Hematopoietic Stem Cell Transplantation. Tehran University of Medical Sciences, 15-17 January, 2015. Tehran, Iran.
12. 4th Congress of Laboratory & Clinic. Shahid Beheshti University of Medical Sciences, 21-23 Dec 2011. Tehran. Iran

