

Date: July, 2023

Personal History:

Name (First/Last name): Farzaneh Tavakoli	Date of Birth: 21.08.1990
Country of birth: Iran	Gender: Female
Phone number: +989193697739	Marital Status: Single
Place of Birth: Tehran, Iran	Languages: Persian, English
Email address: Farzanehtavakoli1990@yahoo.com	

Academic education:

- a. **Ph.D. Student** in Hematology and blood banking, Shahid Beheshti University of medical sciences 2020-
- b. **M.Sc.**, (2013-2015). Hematology and blood banking, Ahwaz Jundi Shapour University of medical sciences

Thesis title: The evaluation of MiR-146a in Acute Lymphoblastic Leukemia patients of Shafa Hospital in Ahwaz

Supervisor: Najmedin Saki

- c. **B.Sc.**, Clinical laboratory sciences, Tehran University of Medical Sciences, Tehran, Iran, 2012-2008

Teaching History:

- a. English Teacher in Safa English Center, 2008-2011
- b. Practical hematology in Bone Marrow transplantation and Cell Therapy center of Taleghani Hospital.

- c. Hematology overview for nursing staff, Bone Marrow transplantation of Taleghani Hospital

Work Experience:

- a. Laboratory Assistant, Bone Marrow transplantation and Cell Therapy center of Taleghani Hospital. (Molecular Department); 2015-2017
- b. Member of Hematopoietic Stem Cell Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran; from 2017-

Publications (articles)

1. Tavakoli F, Mohammadian M, Ghorbi MD, Shahsavan S, Halvachi D, Parkhideh S, Roshandel E. Successful treatment of a pure red cell aplasia patient following ABO-mismatched hematopoietic stem cell transplantation from a sibling donor with multiple sclerosis. Transplant Immunology. 2023 Aug 1; 79:101863.
2. Ardakani MT, Ahadi HR, Bonakchi H, Parkhideh S, Tavakoli F, Moshari MR, Soleimani M, Hajifathali A. Evaluation of CD34+ Cell Count at Different Time Points Following Plerixafor Administration in Autologous Hematopoietic Stem Cell Transplantation. International Journal of Cancer Management. 2022 Jun 30;15(6).
3. Meamar R, Janghroban S, Ansari B, Saeedi A, Atefi A, Tavakoli F. Evaluation of Red Cell Distribution Width Alterations with Severity of Migraine. Canon Journal of Medicine. 2022 May 24(Articles in Press):15-8.
4. Roshandel E, Tavakoli F, Parkhideh S, Akhlaghi SS, Ardakani MT, Soleimani M. Post-hematopoietic stem cell transplantation relapse: Role of checkpoint inhibitors. Health Science Reports. 2022 Mar;5(2): e536.

5. Jafari L, Izadirad M, Vatanmakanian M, Ghaedi H, Farsiani MA, Mohammadi MH, Amiri V, Hosseini MS, Tavakoli F, Gharehbaghian A, Hajifathali A. IFNG-AS1 and MAF4 long non-coding RNAs are upregulated in acute leukemia patients who underwent bone marrow transplantation. *Current Research in Translational Medicine*. 2021 Oct 1;69(4):103307.
6. Karami S, Roshandel E, Ghaffari Nazari H, Hajifathali A, Tavakoli F, Parkhideh S. In-depth summary over cytomegalovirus infection in allogeneic hematopoietic stem cell transplantation recipients. *VirusDisease*. 2021 Sep;32(3):422-34.
7. Rauofi A, Hajifathali A, Karami S, Tavakoli F, Roshandel E, Bonakchi H, Parkhideh S. The apheresis content analysis in Allo-HSCT represents reliable influential factors on graft-versus-host disease and overall survival. *Transfusion and Apheresis Science*. 2021 Apr 1;60(2):103009.
8. Mardani M, Abolghasemi S, Shabani S, Tavakoli F, Saeedi A, Parkhideh S, Hajifathali A. The association of conditioning regimen with cytomegalovirus reactivation after allogeneic hematopoietic stem cell transplantation. *Iranian Journal of Microbiology*. 2020 Dec;12(6):636.
9. Amini M, Kazemnejad A, Rasekhi A, Zayeri F, Hajifathali A, Tavakoli F. Application of latent class analysis in diagnosis of graft-versus-host disease by serum markers after allogeneic haematopoietic stem cell transplantation. *Scientific Reports*. 2020 Feb 27;10(1):1-0.
10. Parkhideh S, Chegeni R, Mehdizadeh M, Roshandel E, Tavakoli F, Hajifathali A. Effects of ABO incompatibility on the outcome of allogeneic hematopoietic stem cell transplantation. *Transfusion and Apheresis Science*. 2019 Dec 13:102696.

11. Shahverdi E, Tavakoli F, Maki M, Moazzami M, Feizi F, Salamati P, Lotfipour A, Ehsani MA, Treatment-related Complications in childhood Acute Lymphoblastic Leukemia: Results of Medical Research Council UKALL X. MEJC 2020; 11 (2): 168-173
12. Tabatabaei SA, Far MAJ, Asnafi AA, Tavakoli F, Asadi ZT. P190 BCR-ABL1 Transcript Prevalence in Iranian Children with Acute Lymphoblastic Leukemia. EJMO 2019;3(4):263–268.
13. Tavakoli F, Jaseb K, FarMA J, Soleimani M, Khodadi E, Saki N (2016). Evaluation of microRNA-146a expression in acute lymphoblastic leukemia. Frontiers in Biology, 11(1): 53–58.
14. Shahjahani M, Norozi F, Ahmadzadeh A, Shahrabi S, Tavakoli F, Asnafi AA, et al. The role of Pax5 in leukemia: diagnosis and prognosis significance. Med Oncol. 2015;32(1):1–8.

(Poster Presentations)

1. Red Cell Distribution Width in Patients with Migraine; The 21st Annual Congress and the 4th International Congress of Pathology and Laboratory Medicine; 25-27 Sep. 2019, Tehran, Iran
2. Peripheral Blood Stem Cell Mobilization Can be Affected by SNS Neurotransmitters; 15th Congress on Stem Cell Biology & Technology, 28-30 August 2019; Tehran, Iran
3. The Correlation of Serum C-reactive Protein Levels and Engraftment of Autologous Hematopoietic stem cell Transplantation; The 3rd National Festival and International Congress on Stem Cell & Regenerative Medicine, 28 Nov – 1 Dec 2018, Tehran, Iran.

4. The Effect of Blood Group on Mobilized MNC Counts In Normal Donors For Allogeneic Stem Cell Transplantation, The 22nd International Congress of Asia-Pacific Blood and Marrow Transplantation, 28-30 Oct 2017, Tehran, Iran.
5. Comparison of Myeloid Engraftment In ABO-Matched and Mismatched Allogeneic HSCTS, The 22nd International Congress of Asia-Pacific Blood and Marrow Transplantation, 28-30 Oct 2017, Tehran, Iran.
6. Assessment of Changes in White Blood Cells In Patients Underwent Hematopoietic Stem Cell Transplantation: Random Effects Model, The 22nd International Congress of Asia-Pacific Blood and Marrow Transplantation, 28-30 Oct 2017, Tehran, Iran.
7. Effects of Ferritin on Engraftments in Autologous Hematopoietic Stem Cell Transplantation in Multiple Myeloma and Hodgkin Lymphoma Patients, The 1st National Festival and International congress of stem cell and regenerative medicine, May, 2016, Tehran, Iran
8. microRNAs and prognosis in leukemias, The 8th International & 13th National Congress on Quality Improvement in Clinical Laboratories, February, 2016, Tehran, Iran
9. Assessment of the role of micro-RNAs in spermatogenesis, infertility and testicular tumors ,1st international congress of Reproduction- 2015, Tehran Iran,
10. Role of microRNAs in Outcome of Pediatric Acute Leukemia Pateints
International congress of Challenges in Pediatric Hematology & Oncology, 2015, Tehran, Iran
11. Effects of genetic factors on obesity in Acute Lymphoblastic Leukemia Children
The Seventh Congress of Students Research, 2015, Ahwaz, Iran.

12. The Significance of Monitoring Novel Molecular Markers in Adult Acute Lymphoblastic Leukemia, The Seventh Congress of Students Research, 2015, Ahwaz, Iran

(Oral presentations)

1. Sayeh Parkhideh, **Farzaneh Tavakoli**, Sina Salari, Elham Roshandel, Abbas Hajifathali; The Impact of ABO Incompatibility on aGVHD Incidence and Overall Survival in HSCT Patients, The 3rd National Festival and International Congress on Stem Cell & Regenerative Medicine, 28 Nov – 1 Dec 2018, Tehran, Iran.
2. **Farzaneh Tavakoli**, Mostafa Moghaddam, Ehsan Shahverdi.; Discrepancies Between Forward and Reverse Grouping in Neonates Blood Grouping, The 10th National Congress of *Iranian Pediatric Hematology and Oncology Society (IPHOS)*, Sep 13-15, 2017, Tehran, Iran
3. **Farzaneh Tavakoli**, Najmedin Saki; evaluation the Expression of MicroRNA-146a in Acute Lymphoblastic Leukemia, The Second Biennial International Pediatric Oncology Congress in Memory of Prof. Parvaneh Vossough, May, 2016, Tehran, Iran

Research projects (confirmed by the ethical committee of Shahid Beheshti University of Medical Sciences):

1. Effects of zinc supplementation on appetite, Body mass index and quality of life in the patients undergoing autologous hematopoietic stem cell transplantation, (IR.SBMU.REC.1399.009)
2. The association between dietary inflammatory Index (DII) and risk of hematological malignancies: a case-control study, (IR.SBMU.RETECH.REC.1399.434)
3. Evaluation of mobilized CD34 + cells at different time points after plerixafor administration in patients undergoing autologous stem cell transplantation, (IR.SBMU.REC.1399.011)

4. The Evaluation of Association between Serum Uric Acid and Incidence of acute Graft-versus-Host Disease in Allogenic Hematopoietic Stem Cell Transplantation Recipients, (IR. SBMU. REC. 1398.150)
5. Effects of Expression Level of VEGF, ANG-1, ANG-2 and Thrombomodulin on Relapse in Lymphoma Patients, (IR.SBMU.RETECH.REC.1398.391)
6. Evaluating the association between pre-transplant serum CRP levels as a prognostic factor and allo-HSCT outcomes, (IR.SBMU.REC.1398.118)
7. Effects of ABO Incompatibility on the Outcome of Allogeneic Hematopoietic Stem Cell Transplantation, (IR.SBMU.REC.1398.116).
8. A comparison between continuous and discontinues aerobic exercise on stem cell mobilization in patients prior to Autologous stem cell transplantation, (IR.SBMU.REC.1398.152)
9. Evaluation of three years of cytomegalovirus disease and its associated factors after bone marrow transplantation in three different regimens in Taleghani Hospital from 1395 to 1398, (IR.SBMU.REC.1398.147)
10. The Relationship between Plasma ST2 Level and Acute GvHD Incidence in Patients Undergoing Allogeneic Hematopoietic Stem Cell Transplantation, (IR.SBMU.REC.1398.115)

History of Executive Committee

1. The 3rd National Festival and International Congress on Stem Cell & Regenerative Medicine, 28 Nov – 1 Dec 2018, Tehran, Iran.
2. International Congress of Challenges in Pediatric Hematology and Oncology, September, 2015, Tehran, Iran

History of Scientific Committee

1. The 10th National Congress of Iranian Pediatric Hematology and Oncology Society (IPHOS), Sep 13-15, 2017, Tehran, Iran
2. The 1st International Congress of Cancer Pain Management along with the 4th Annual Conference on Pediatric Pain Medicine, February, 2016, Tehran, Iran

3. The Second Biennial International Pediatric Oncology Congress in Memory of Prof. Parvaneh Vossough, May, 2016, Tehran, Iran

Attending in Conferences, Seminars, etc

1. Cell Press author Seminar. (14th May 2016). Tehran University of Medical Sciences.
2. The 17th International and Iranian Congress of Microbiology, August 2016, Tehran, Iran

Participation in Workshops:

1. Stem Cell Expansion: A practical approach, 14th International Congress of Immunology and Allergy, 26-28 Apr, Tehran, Iran
2. Cancer Stem Cell Immunoregulation Workshop, 14th International Congress of Immunology and Allergy, 26-28 Apr, Tehran, Iran
3. Technical Editing in Scientific Writing, 14th International Congress of Immunology and Allergy, 26-28 Apr, Tehran, Iran
4. Scientific Writing Workshop of The Young Researchers Panel, September, 2017
5. Flowcytometry workshop, Jundi shapour university of medical sciences, September, 2012

Books (in Persian):

Contribution as an author in “From cell to cancer”, 2020 (Shahid Beheshti University of Medical Sciences)

Research Interests:

1. Stem cell Transplantation
2. Stem cell therapy
3. Leukemia/ Lymphoma