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Dr. Reza Shiri Heris

Assistant Professor of Laboratory Hematology and Blood Banking

Personal Information

Name: Reza
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Field: Laboratory Hematology and Blood Banking
Degree: Assistant Professor of Laboratory Hematology and Blood Banking
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Faculty: Maragheh Faculty of medical Sciences
City: East Azerbaijan- Maragheh
Country: Iran
Birth Date: 23/07/1986
Place of Birth: Maragheh, East Azerbaijan, Iran.
Gender: Male

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Education

- 2004-2006 **ASc** in Laboratory Sciences, Department of Laboratory Sciences, School of Paramedical Sciences, Iran University of Medical Sciences, Tehran, Iran.
- 2006-2008 **BSc** in Laboratory Sciences, Department of Laboratory Sciences, School of Paramedical Sciences, Tabriz University of Medical Sciences, Tabriz, Iran.
- 2009- 2012 **MSc** in Laboratory Hematology and Blood Banking, Department of Hematology, Iranian Blood Transfusion Organization, Tehran, Iran.
- 2015-2020 **PhD** in Laboratory Hematology and Blood Banking, Department of Hematology, School of Paramedical Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran.

Thesis

- MSc Thesis Study of the caspase 3 inhibition effects on the survival of platelet concentrate during storage, Under supervision of Prof. Fatemeh Yari, 2010.
- PhD Thesis Evaluation of the PI3K signaling pathway inhibition effects using BKM120 in increasing cytotoxicity of Imatinib in K562 cells, Under supervision of Prof. Davood Bashash, 2018

Working Experiences

- 2009-2012 Director of Hematology Department in Parsian Medical Diagnosis Laboratory, Tehran.
- 2012-2015 Faculty Member of Ilam University of Medical Sciences, Ilam.
- 2012-2015 Director of Laboratory Science Department in Ilam University of Medical Sciences, Ilam.
- 2012-2015 Director of EDO in School of Paramedical Sciences, Ilam University of Medical Sciences
- 2012-2015 Membership of The Cultural Council in Ilam University of Medical Sciences, Ilam

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- 2012-2015 Membership of Educational Council in Ilam University of Medical Sciences, Ilam.

- 2012-2015 Membership of Research Council in Ilam University of Medical Sciences, Ilam.

- 2012-2015 Equipping and setting up a hematology laboratory in the paramedical faculty of Ilam University of Medical Sciences, Ilam.

- 2016-2019 Director of Hematology Department in Saeed Medical Diagnosis Laboratory, Tehran.

- 2018-2019 Work in the flow cytometry center for diagnosing blood patients in Taleghani Hospital, Tehran

- 2020-now Faculty Member of Maragheh University of Medical Sciences, Maragheh.

Teaching

- 2012-2015 As a lecturer: Teaching " laboratory hematology and blood banking " for laboratory sciences students at Ilam University of Medical Sciences.

- 2012-2015 As a lecturer: Teaching " laboratory hematology and blood banking " for operation room students at Ilam University of Medical Sciences.

- 2012-2015 As a lecturer: Teaching " principle of safety in laboratory " for laboratory sciences students at Ilam University of Medical Sciences.

- 2012-2015 As a lecturer: Teaching " principle of quality control in laboratory " for laboratory sciences students at Ilam University of Medical Sciences.

- 2015-2018 As a lecturer: Teaching " laboratory hematology and blood banking " for laboratory sciences students at Shahid Beheshti University of Medical Sciences.

- 2019-2020 As a lecturer: Teaching " laboratory hematology and blood banking " for laboratory sciences students at Kordestan University of Medical Sciences.

- 2019-2020 As a lecturer: Teaching " principle of quality control in laboratory " for laboratory sciences students at Kordestan University of Medical Sciences.

- 2019-2020 As a lecturer: Teaching " principle of safety in laboratory " for laboratory sciences students at Kordestan University of Medical Sciences.

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2020-now	As an assistant professor, Teaching " laboratory hematology and blood banking " for laboratory sciences students at Maragheh University of Medical Sciences.
2020-now	As an assistant professor, Teaching " laboratory hematology and blood banking " for operation room students at Maragheh University of Medical Sciences.
2020-now	As an assistant professor, Teaching " principle of safety in laboratory " for laboratory sciences students at Maragheh University of Medical Sciences.
2020-now	As an assistant professor, Teaching " principle of quality control in laboratory " for laboratory sciences students at Maragheh University of Medical Sciences.

Language and skill

Language Turkish, Persian, Arabic (moderate), English

Skill SPSS, STATA, AMOS, SEM, Win QSB, CMA, etc.

Area of study

- Laboratory Sciences
- Biology Sciences
- Hematology Disease
- Blood Banking
- Molecular Sciences

Research interests

- Laboratory-based research
- Biology-based research
- Biochemistry-based research
- Hematology-based research
- Blood Banking-based research
- Molecular-based research
- genetic-based research
- Leukemia-based research

Honors and Awards

- Elite student in Iran University of medical Sciences, 2006
- Elite student in Tabriz University of medical Sciences, 2008
- Chosen as the best teacher of Ilam University of Medical Sciences, 2014
- Achieving the second rank in the national entrance exam for the PhD degree, 2015
- Top graduate of Iran's National Elites Foundation, 2016

Approved Research Projects

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| 2009-2012 | Study of the caspase 3 inhibition effects on the survival of platelet concentrate during storage. |
| 2012-2015 | Study of the prevalence of iron deficiency anemia based on hematological and iron indices in girls' high schools in Ilam in 2013. |
| 2012-2015 | Study of the prevalence of thalassemia minor in premarital counseling clients in Ilam province since 2009 to 2011. |
| 2012-2015 | Evaluation of the relationship between blood donation exemption and demographic background characteristics in blood donors referred to Ilam Blood Transfusion Center. |
| 2012-2015 | Study of the prevalence and effective factors on neonatal jaundice in Darrehshahr city over the 2013 to 2015 years. |
| 2012-2015 | Study of the consumption of blood products in hospitals in Ilam in 2014. |
| 2017-2019 | Study of the PI3K signaling pathway inhibition effects using BKM120 in increasing cytotoxicity of Imatinib in K562 cells |

Publications

Books

- Cellular and molecular hematology [Persian]. 2013

Papers

- **Reza Shiri Heris**, Pourbagheri-Sigaroodi, A., Yousefi, A.-M., Bashash, D. The Superior Cytotoxicity of Dual Targeting of BCR/ABL and PI3K in K562 Cells: Proposing a Novel Therapeutic Potential for the Treatment of CML. Indian Journal of Hematology and Blood Transfusion.2022.
- Seidi, S., Eftekhari, A., Khusro, A. **Reza Shiri Heris**, Sahibzada, M.U.K., Gajdacs, M. Simulation and modeling of physiological processes of vital organs in organ-on-a-chip biosystem. Journal of King Saud University - Science. 2022.
- **Reza Shiri Heris**, Ava Safaroghli-Azar, Amir-Mohammad Yousefi, Mohsen Hamidpour, Davood Bashash. Anti-leukemic effect of PI3K inhibition on chronic myeloid leukemia (CML) cells: shedding new light on the mitigating effect of c-Myc and autophagy on BKM120 cytotoxicity. cell biology international. 2020
- Maryam Hosseini, Leila Jafari, **Reza Shiri Heris**. Red blood cell alloimmunization in Iran: A Comprehensive review of the literature. Asian Journal of transfusion medicine.2020
- Sina Salari, Mohamad Hosien Mohamadi, Mehdi Allahbakhshian Farsani, Masomeh Kamel, Mahdieh Mehrpouri, **Reza Shiri Heris**, Mohsen Hamidpour. The expression of interferon gamma (IFN- γ) and interleukin 6 (IL6) in patients with acute lymphoblastic leukemia (ALL). Pathology & Oncology Research. 2018
- **Reza Shiri Heris**, Bahram Rostami, Mohsen Mohsenzade, Negar Falahati, Mohamad Reza Hafezi Ahmadi, Enayat Anvari. Prevalence of iron deficiency and anemia in girls studying in high schools of Ilam city. Journal of Basic Research in Medical Sciences, 2016.
- **Reza Shiri heris**, Fatemeh Yari, Mohammad Reza Tabatabaei, Minoo Ahmadinejad, Shahram Vaeli. The caspase-3 inhibitor (peptide Z-DEVD-FMK) affects the survival and function of platelets in platelet concentrate during storage. Korean Society of Hematology. 2014.

- **Reza Shiri Heris**, Nejat Mahdih. A review of thalassemia: Genetics of beta-thalassemia in Iran.koomesh.2014.
- **Reza Shiri heris**, Fatemeh Yari, Naser amirizadeh, Ahmad gharebaghian Mohammad Reza Tabatabaei, Minoos Ahmadinejad. Impact of caspase-3 inhibitor on platelet concentrate survival during storage time. Journal of IBTO. 2013.
- Fatemeh Yari, Shima Azadpour, **Reza Shiri Heris**. Platelet Storage Media Change the Expression Characteristics of the Platelet-Derived Microparticles. Indian Journal of Hematology and Blood Transfusion. 2013

Conferences and Presentations

No.	Congress name	Year	Subject	Type of congress	Poster/ Presentation
1	International Congress of Laboratories and Clinics	2009	Effect of Caspase inhibitor on the viability and apoptosis of platelet concentrate during storage	International	Poster
2	International Congress of Laboratories and Clinics	2010	Cyclic Hypoxia preconditioning significantly enhances MSCs resistance against lethal conditions	International	Poster
3	Mashhad National Congress	2010	Evaluation of Toxoplasmosis Seroprevalence among 2609 Women of Childbearing Age Attended in Shahid Beheshti Hospital Hamedan	National	Poster
4	Mashhad National Congress	2011	Prevalence of Hepatitis B Virus and Hepatitis C Virus among Haemodialysis Patients in Hamedan, Iran	National	Poster

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5	Yasuj International Congress	2012	Increases of sirt1 Expression in Chronic Myeloid Leukemia patient by drug resistance imatinib	International	Poster
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