

Curriculum Vitae

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Ahmad Gharehbaghian, DCLS- PhD

Education: 1- Doctorate of Clinical Laboratory Sciences (DCLS) from Shahid Beheshti University of Medical Sciences, Tehran- Iran

2- PhD in Clinical Immunohematology from the University of Bristol, United Kingdom, 2002

Occupation: Faculty member (Full Professor) of School of Allied Medical Sciences at the Shahid Beheshti University of Medical Sciences (SBUMS)

- 1- Professor of Clinical Immunohematology at the SBUMS
- 2- Head of Laboratory Hematology and Blood bank Department at the SBUMS
- 3- Member of International Society of Blood Transfusion (ISBT)
- 4- ISBT Regional Director Eastern Mediterranean science 2014
- 5- Editor-in-chief of the scientific journal of Paramedical at the SBUMS

The 18-year-long experience of working for Iranian Blood Transfusion Organization (IBTO) at different positions the last of which 9-year-long deputyship for research and education and being the head of IBTO Research Center.

Two time scientific secretary of the 1st & 2nd International Conference on Transfusion Medicine, 2007, 2011, Tehran, Iran

Supervising 35 MS discipline thesis, 5 MPH discipline thesis and 7 PhD discipline thesis and involving in 65 research projects.

Authorship of 12 specialty books (in Transfusion Practice) in Farsi language , 44 articles in English language as below and 37 scientific articles in Farsi language, which were published in Iranian scientific journals.

Published papers in English:

- 1- **Gharehbaghian A**, Haque KMG, Truman C, et al. Quantitation of natural killer cell precursors in man, *Journal of Immunological Methods* 2000; 260: 69-77.
- 2- Haque KMG, Truman CA, **Gharehbaghian A**, et al. Cyclosporin Resistanc-Allo-Activated Natural killer cells: possible Evidence of functional Natural killer memory, *Transplantation proceedings* 2001; 33: 331-332.
- 3- **Gharehbaghian A**, Haque KMG, Truman C, et al. Effect of autologus salvaged blood on postoperative natural killer cell precursor frequency, *The lancet*- 2004; 363:1025-1030.
- 4- Obeidi N, Ghaffari M, **Gharehbaghian A**, Alimoghadam K, Dehghan M, Ghavamzadeh A, et al. Real-time PCR for early diagnosis and monitoring of Cytomegalovirus Infection after bone marrow transplantation, *shiraz E-Medical Journal*, 2006;7(3).

- 5- **Gharehbaghian A**, Donaldson C, Newman J, Bannister G, Bradley BA. The correlation between the percent of CD3⁺ CD56⁺ cells and NK precursor function, Iran Allergy Asthma Immunol, December 2006; 5(4): 167-175.
- 6- Abolghasemi H, **Gharehbaghian A**, Tabrizi M. The International Congress on Transfusion Medicine. Transfusion Today September 2007.
- 7- **Gharehbaghian A**, Abolghasemi H, Tabrizi Namini M. Status of blood transfusion services in Iran. Asian Journal of Transfusion Science. 2008; 2 (1).
- 8- Ghaffari SH, Obeidi N, Dehghan M, Alimoghaddam K, **Gharehbaghian A**, Ghavamzadeh A. Monitoring of Cytomegalovirus Reactivation in Bone Marrow Transplant Recipients by Real-Time PCR. Pathol Oncol Res 2008.
- 9- Kazeminejad S, Allameh A, Soleimani M, **Gharehbaghian A**, Mohammadi Y, Aminizadeh N, Jazayeri M, Amani M. Efficient replacing of fetal bovine serum with human platelet releasate during propagation and differentiation of human bone marrow derived mesenchymal stem cells to functional hepatoaytes – like cells. Vox Song 2008.
- 10- Kazemnejad S, Allameh A, Soleimani M, **Gharehbaghian A**, Mohammadi Y, Amirizadeh N, Kavyani S, Jazayeri M. Expansion and hepatogenic differentiation of human bone marrow mesenchymal stem cells on a novel three-dimensional biocompatible nanofibrous scaffold. Iranian Journal of Biotechnology 2008; 6 (1).
- 11- Habibi Roudkenar M, Ghasempour Zahra, Halabian Raheleh, Mohammadi Roushandedeh A, Yaghmai P, **Gharehbaghian A**, Oodi A. Massrori N, Amirizadeh N, Shokrgozar M.A, Lipocalin 2 Acts A Cytoprotective Factor Against Cisplatin Toxicity, An *In Vitro* Study. DARU 2008; 2 (16).
- 12- Kazeminejad S, Allameh A, Soleimani M, **Gharehbaghian A**, Mohammadi Y, Aminizadeh N, Jazayeri M. Biochemical and molecular characterization of hepatocyte like cells derived from human born marrow mesenchymal stem cells on a three-dimentional biodegradable nanofibrous scaffold. Gastroenterology and Hepatology 2008.
- 13- Kazeminejad S, Allameh A, Soleimani A, **Gharehbaghian A**, Mohammadi Y, Aminizadeh N, Eslami S. Functional hepatocyte-like cells derived from human bone marrow mesenchymal stem cells on a Novel 3-dimensional biocompatible nanofibrous scaffold. The international journal of Artificial organs 2008; 31(6).
- 14- **Gharehbaghian A**, Pileh R, Tabrizi M. The Iranian Blood Transfusion Organization (IBTO) and the Judiciary System: Educational sessions with the presence of judiciary judges and legal experts. Transfusion Today Regional December 2008.
- 15- **Gharehbaghian A**, et al. A famous wedding: safe blood, the gift of Ardabili bride and bridegroom. Transfusion Today December 2008.
- 16- Sedigheh Amini Kafi-Abad, Shahram Samiei, Ali Talebian, Mahtab Maghsudloo , **Ahmad Gharehbaghian**. Hepatitis G virus infection in Iranian blood donors and high-risk groups. Hepatitis monthly2009; 9(4), pp. 282-286.
- 17- Epstein J, Seitz R, Dhingra N, Ganz PR, **Gharehbaghian A**, Spindel R, Teo D, Reddy R. Role of regulatory agencies. Biologicals 2009; 37(2): 94-102.
- 18- **Gharehbaghian A**, Javadzadeh Shahshahani H, Attar M, Rahbari Bonab M, Mehran M, Tabrizi Namini M. Assessment of physician's knowledge in transfusion medicine, Iran, 2007. Transfusion Medicine 2009; 19(3): 132-138.
- 19- Halabian R, Edalati Fathabad M, Masroori N, Mohammadi Roushandedeh A, Saki S, Amirizadeh N, Hahanian A, **Gharehbaghian A**, Habibi Roudkenar M. Expression and purification of recombinant human coagulation factor VII fused to histidine tag using Gateway technology. Blood Transfusion , 2009
- 20- Karimi Gh, Samiei Sh, Hatami H, **Gharehbaghian A**, Vafaiyan V, Tabrizi Namini M. Detection of Chlamydia pneumoniae in peripheral blood mononuclear cells of healthy blood donors. Transfusion Medicine 2010; 20:237-43.
- 21- Omidekhoda A, **Gharehbaghian A**, et al. Comparison of the prevalence of the major transfusion-transmitted infections in blood donors with Confidential Unit Exclusion (CUE) versus non-CUE blood donors of Tehran, Iran, 2006. Forthcoming.[ID: 893, in press, available at 11(1) Hepatitis Monthly 2010]
- 22- Noroozi Aghideh A, Kheirandish M, Abolghasemi H, **Gharehbaghian A**. Platelet growth factors suppress ex vivo expression and enhance differentiation of umbilical cord blood CD133⁺ stem cells to megakaryocyte progenitor cells. Growth Factors 2010.
- 23- Somayeh Jalilvand, Zabihollah Shoja, Talat Mokhtari-Azad, Rakhshandeh Nategh, **Ahmad Gharehbaghian**. Seroprevalence of Human herpesvirus 8 (HHV-8) and incidence of Kaposi's sarcoma in Iran. Infectious Agents and Cancer 2011; 6:5.

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- 25- **Ahmad Gharehbaghian**. An Estimate of Transfusion-Transmitted Infection Prevalence in General Populations. *Hepatitis Monthly* 2011; 11(12): 1002
- 26- Elham Farhadi , **Ahmad Gharehbaghian**, Gharib Karimi, Shahram Samiee, Farzaneh Tavasoli, Yashar Salimi. Efficacy of the Confidential Unit Exclusion Option in Blood Donors in Tehran, Iran, Determined by Using the Nucleic Acid Testing Method in 2008–2009. *Hepatitis Monthly* 2011; 11(11): 907
- 27- Mohammad Mohammadzadeh, Raheleh Halabian, **Ahmad Gharehbaghian**, Naser Amirizadeh, Ali Jahanian-Najafabadi, Ameneh Mohammadi, Mehryar Habibi Roudkenar. Nrf-2 over expression in mesenchymal stem cells reduces oxidative stress-induced apoptosis and cytotoxicity. *Cell Stress and Chaperons*. Feb, 2012.
- 28- **Ahmad Gharehbaghian**. Introduction of a program for voluntary blood donations in Iran (blood transfusion status in Iran). *VoxSanguinis*. 2012, 7, 183-187
- 29- Salehi M, Alavian SM, Tabatabaei SV, Sanei Moghaddam E, Amini Kafi-Abad S, **Gharehbaghian A**, Khosravi S, Abolghasemi H. Seroepidemiology of HBV infection in South-East of Iran; a population based study. *Iran Red Crescent Med J*. 2012 May; 14 (5):283-8.
- 30- Seyed Vahid Tabatabaei, Seyed-Moayed Alavian, Maryam Keshvari, Bita Behnava, Seyed Mohammad Miri, Pegah Karimi Elizee, Farhad Zamani, Sedigheh Amini Kafi-abad, **Ahmad Gharehbaghian**, Bashir Hajibeigy and Kamran Bagheri Lankarani. Low Dose Ribavirin for Treatment of HCV Infected Thalassemia Major Patients; New Indications for Combination Therapy. *Hepatitis Monthly* 2012; 12(6): 372-381
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- 38- **Ahmad Gharehbaghian**, Behroos Ghezelbash, Sima Aghazadeh, Mohammad Taher Hogatti. Evaluation of Alloimmunization Rate and Necessity of Blood Type and Screening Test among Patients Candidate for Elective Surgery. *IJHOSCR*, Vol;8, Number-1, January 2014
- 39- Hadjati S, Farsinejad A, Faranoush M, **Gharehbaghian A**, Amirizadeh N , Toogeh GH. Quantitative Immunophenotyping of Platelet Surface Glycoproteins among Iranian Patients with Bernard-Soulier Syndrome. *IJBC* 2014; 7(1): 3-9
- 40- **Ahmad Gharehbaghian**, Morteza Salimian, Ali Akbar Taherian, Asghar Elahi, Tahereh Khamechian, Gharib Karimi and Mehran Ghasemzadeh. Variations in Intraplatelet Phospho-VASP Expression Due to Pre-analytical Sample Preparations, Illustration of a Quality Control Issue in Platelet Pharmacology. *Iranian Journal of Pharmaceutical Research* (2015), 14 (1): 321-328.

- 41- Behrouz Ghezelbash, Sedeigheh Amini Kafiabad, Mohammad Taher Hojjati, Mohsen Hamidpoor, Shahram Vaeli, Mohammad Reza Tabtabae, **Ahmad Gharehbaghian**. In vitro assessment of platelet lesions during 5-day storage in Iranian blood transfusion organization (IBTO) centers. Archives of Iranian Medicine, Volume 18, Number2, Feb 2015.
- 42- **Ahmad Gharehbaghian**. How Medical Laboratory Sciences education can impact on blood transfusion safety? Transfusion Today, Number 106, March 2016
- 43- N. Dehghan-Nayeri , **A. Gharehbaghian**, K. Goudarzi Pour , P. Eshghi. Over expression of the fatty acid synthesis is a strong predictor of poor prognosis and contributes to glucocorticoid resistance in B-cell acute lymphoblastic leukemia. World Cancer Research Journal, 2016; 3 (3): e746
- 44- Nasrin Dehghan-Nayeri, Mostafa Rezaei-Tavirani, Mir Davood Omrani, **Ahmad Gharehbaghian**, Kouros Goudarzi Pour, Peyman Eshghi. Identification of potential predictive markers of dexamethasone resistance in childhood acute lymphoblastic leukemia. Journal of Cell Communication Signal, 2016, DOI: 10.1007/s12079-016-0357-3

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