



Ahmad Gharehbaghian, DCLS- PhD

**Educations:**

1- Doctorate of Clinical Laboratory Sciences (DCLS) from Shahid Beheshti University of Medical Sciences

(SBUMS), Tehran- Iran, 1992

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

**Short Biography:**

I am professor of Immunohematology at Shahid Beheshti University of Medical Sciences (SBUMS), Tehran-Iran. I was the vice president for Research and Education in Iranian Blood Transfusion Organization (IBTO) 2002-2012. I acted as the ISBT Regional Director for the Eastern Mediterranean (2014-2018). I acted as the dean of School of Allied Medicine, SBUMS, 2018-2020. I have been the (co-)author of many articles published in valid international scientific journals. I have authored some books regarding transfusion medicine in Farsi language. I have never been a moment apart from the issues of blood safety and transfusion medicine both during my tenures in IBTO and university. I have been living with transfusion medicine since the years back at my 20s. It is a field in which you can find society, community, psychology, economics, industry, habits, faith and dedication and I do enjoy it. I am from a region where we still need to make more dreams to come true: safer blood and more accessibility. I am coming from a region thirsty of development for a brighter future in transfusion medicine. More steps required for boosting education and research and filling the voids. It is ready for cooperation and commitment. I in any position as an academic consider myself committed to work for it. I have the honor to have precious friends who have always grasped my hands for cooperation and engagement, a sort of engagement that would be prosperous for all of us caring for blood, caring for patients, caring for a safer world. My main subject interest is transfusion practice. However, I am interested in Clinical Immunology, Clinical hematology, and Cancer Biology as well.

**Positions Held:**

1. Corresponding Member of Standardization of Fetal Haemoglobin (WG-HbF) IFCC
2. Professor of Clinical Immunohematology, Laboratory Hematology & blood Bank Department, School of Allied Medical Sciences at the SBUMS
3. Dean of School of Allied Medical Sciences at the SBUMS From February to 2018- June, 2020
4. Manager of International Affairs of the SBMUS From February, 2012 to July, 2015

5. Deputy For Research and Education at Iranian Blood Transfusion Organization (IBTO) 2002-2011
6. Editor-in-chief of Scientific Journal of Iranian Blood Transfusion Organization- Research Center, 2003-2014
7. Editor-in-chief of the scientific journal of Paramedical at the SBUMS, 2015-2018
8. Member of World Health Organization Advisory Panel for Blood Safety (GCBS), 2006-2012 Curriculum Vitae 04-01-2023
9. ISBT Regional Director Eastern Mediterranean science 2014-2018
10. Head of Laboratory Hematology and Blood Bank Department at the SBUMS From 2013-2019
11. Member of Board of Executive Advisory at Iranian Blood Transfusion Organization (The Blood Transfusion High Council), From 2019- 2022
12. Member of Board of Executive Advisory at Iranian High Institute for Research & Education in Transfusion Medicine. From 2019-2022
13. Member of International Society of Blood Transfusion (ISBT) From 2004, Continued
14. Executive Director of Iranian Society of Transfusion Sciences From 2017, Continued
15. Member of Advisory Panel for Laboratory Hematology and Transfusion Sciences at Iran ministry of Health and Medical Education From 2005-2022
16. Executive Director of Advisory Panel for Laboratory Hematology and Transfusion Sciences at Iran ministry of Health and Medical Education From 2019-2022
17. H Index: 16 in Scopus
18. H Index: 23 in Google Scholar

### **Experiments:**

- 1- 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.
- 2- Two time scientific secretary of the 1st & 2nd International Conference on Transfusion Medicine, 2007, 2011, Tehran, Iran
- 3- Supervising 40 MS discipline thesis, 5 MPH discipline thesis and 12 PhD discipline thesis and involving in 75 research projects.
- 4- Authorship of 12 specialty books (in Transfusion Practice) in Farsi language ,
- 5- Authorship of 72 articles in English language as below and 41 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) <http://semj.sums.ac.ir/vo17/jul2006/current>.
- 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, Jazayery M. Expansion and hepatogenic differentiation of human bone marrow mesenchymal stemcells on a novel three-dimensional biocompatible nanofibrous scaffold. Iranian Journal of Biotechnology 2008; 6 (1).
- 11- Habibi Roudkenar M, Ghasemipour Zahra, Halabian Raheleh, Mohammadi Roushandeh 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 bore 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 monthly 2009; 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 physicians knowledge in transfusion medicine, Iran, 2007. Transfusion Medicine 2009; 19(3): 132-138.

19- Halabian R, Edalati Fathabad M, Masroori N, Mohammadi Roushande 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.

24- Abdolmajid Cheraghali, Ahmad Gharehbaghian. Commentary on: Effectiveness of confidential unit exclusion option in blood transfusion services needs re-evaluation. Hepatitis Monthly 2011; 11(4): 295

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, Bitah Behnava, Seyyed 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
- 31- Alavian S.M., Tabatabaei S.V., Nourizad S., Mansouri F., Khademi N., Kafi-Abad, S.A., Gharehbaghian A., Abolghasemi H. Seroepidemiology of HBV infection in Kermanshah- west of Iran; A population based study. *Jundishapur Journal of Microbiology*. Volume 5, Issue 4, 2012, Pages 564- 569
- 32- Seyed Moayed Alavian, Seyed Vahid Tabatabaei, Teyyeb Ghadimi, Farzam Beedrapour, Sedigheh Amini Kafi-abad, Ahmad Gharehbaghian, and Hassan Abolghasemi. Seroprevalence of Hepatitis B Virus Infection and Its Risk Factors in the West of Iran: A Population-based Study. *Int J Prev Med*. 2012 November; 3(11): 770–775.
- 33- S. Panzer, S. Engelbrecht, M. F. Cole-Sinclair, E. M. Wood, S. Wendel, S. Biagini, Z. Zhu, J.-J. Lefrère, G. Andreu, T. Zunino, J.-J. Cabaud, P. Rouger, O. Garraud, K. Janetzko, M. Müller-Steinhardt, P. van der Burg, A. Brand, P. Agarwal, T. Triyono, A. Gharehbaghian, N. Manny, O. Zelig, A. Takeshita, Y. Yonemura, H. Fujihara, K. E. Nollet, H. Ohto, K.-S. Han, V. S. Nadarajan, G. Berlin, S. G. Sandler, R. G. Strauss & H. W. Reesink. Education in transfusion medicine for medical students and doctors. *Vox Sanguinis*. 2013
- 34- A. Aliasgharzadeh, A. Gharehbaghian, A.A. Taherian, M. Ghasemzadeh, M. Salimian. Modulation of hyperthermia-induced platelet aggregation inhibition in the presence of urea. *Int J Hyperthermia*. 2013 March
- 35- Gharib Karimi, Ahmad Gharehbaghian, Mohammad Fallah Tafti, Vida Vafaiyan. Emerging infectious threats to the blood supply: Seroepidemiological studies in Iran- a Review. *Transfusion Medicine and Hemotherapy*; 2013; 40: 210-217

- 36- Khademi R., Gharehbaghian A., Karimi Gh., Vafaiyan V., Kademi R., Tabrizi M. Frequency & specificity of RBC alloantibodies in patients due for surgery in Iran. *Indian J Med Res* 138, August 2013.
- 37- Fariba Birjandi, Ahmad Gharehbaghian, Alireza Delavari, Negar Rezaie, Mahtab Maghsudlu. Blood Donor Deferral Pattern in Iran. *Archives of Iranian Medicine*, Volume 16, Number 11, Nov. 2013
- 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, Sedegheh Amini Kafiabad, Mohammad Taher Hojjati, Mohsen Hamidpoor, Shahram Vaeli, Mohammad Reza Tabatabae, 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 Kourosh Goudarzi Pour, Peyman Eshghi. Identification of potential predictive markers of dexamethasone resistance in childhood acute lymphoblastic Leukemia. *Journal of Cell Communication Signal*, 2016
- 45- Arezoo Darbandi, Pargol Mashati, Amir Yami, Arshia Gharehbaghian, Mehdi Tabrizi Namini, Ahmad Gharehbaghian. Status of blood transfusion in World Health Organization- Eastern Mediterranean Region (WHO-EMR): Successes and challenges. *Transfusion and Apheresis science*, 2017
- 46- Mina Darvishi, Somayeh Esmaili, Nasrin Dehghan Nayeri, Pargol Mashati, Ahmad Gharehbaghian. Anticancer effect and enhancement of therapeutic potential of Vincristine by

extract from aerial parts of *Juniperus excelsa* on pre-B acute lymphoblastic leukemia cell lines. *Journal of Applied Biomedicine*, 2017.

47- Esfini-Farahani, M., Farshdousti-Hagh, M., Bashash. D, Esmaeili, S, Dehghan-Nayeri, N., Yazdanpanah, S., Gharehbaghian, A. Analysis of cytotoxic activity and synergistic effect of curcuma longa extract in combination with prednisolone on acute lymphoblastic leukemia cell lines. *International Journal of Cancer Management*. Volume 10, Issue 11, November 2017

48- Nasrin Dehghan Nayeri, Forouzan Bahmani, Ahmad Gharehbaghian. In vitro anti-tumoral effects of the combination of Curcuma longa and prednisolone on inhibition of the NFκB signaling pathway. *Journal of Paramedical Sciences (JPS)* Autumn 2017; Vol 8, No: 4

49- Forouzan Bahmani, Somayeh Esmaeili, Davood Bashash, Nasrin Dehghan-Nayeri, Pargol Mashati, Ahmad Gharehbaghian. Centaurea albonitense extract enhances the therapeutic effects of Vincristine in leukemic cells by inducing apoptosis. *Journal of Biomedicine & Pharmacotherapy*, 2018

50- Nasrin Dehghan Nayeri, Peyman Eshghi, Kourosh GoudarziPour, Ahmad Gharehbaghian. A systematic review of proteomic biomarkers associated with risk stratification in pediatric acute lymphoblastic leukemia. *Journal of Paramedical Sciences (JPS)* Winter 2018 Vol 9, No1

51- Afshin Karami, Maryam Hamzeloo-Moghadam, Amir Yami, Mohieddin Barzegar, Pargol Mashati & Ahmad Gharehbaghian. Antiproliferative Effect of Gaillardin from *Inula oculus-christi* in Humanb Leukemic Cell. *Nutrition and Cancer*, 2019.

52- Pargol Mashati, Somayeh Esmaeili , Nasrin Dehghan-Nayeri , Davood Bashash, Mina Darvishi , Ahmad Gharehbaghian. Methanolic Extract from Aerial Parts of *Artemisia Annua* L. Induces Cytotoxicity and Enhances Vincristine-Induced Anticancer Effect in Pre-B Acute Lymphoblastic Leukemia Cells. *International Journal of Hematology-Oncology and Stem Cell Research*, 2019.

53- Mitra Zabihia, Ava Safaroghli-Azarb, Ahmad Gharehbaghian, Mehdi Allahbakhshian Farsania and Davood Bashasha. CDK Blockade Using AT7519 Suppresses Acute Myeloid Leukemia Cell Survival through the Inhibition of Autophagy and Intensifies the Anti-leukemic Effect of Arsenic Trioxide. *Iranian Journal of Pharmaceutical Research*, 2019.

54- Maryam Sadat Hosseinia, Mohammad Hossein Mohammadi, Rouhollah Vahabpour Roudsaric, Leila Jafaria, Pargol Mashatia and Ahmad Gharehbaghian. Proteasome Inhibition by Carfilzomib Induced Apotosis andAutophagy in a T-cell Acute Lymphoblastic Leukemia Cell Line. *Iranian Journal of Pharmaceutical Research*, 2019

55- Susan Moradinasab, Ahmad Gharehbaghian, Alireza Abdolahi. Frequency and Risk Factors for RBC Alloimmunization in Patients Undergoing Surgery in Tehran, Iran: the Role in Improving Type and Screening Tests. *Archives of Advances in Biosciences* 2019:10(3)

56- Amir Yamia, Maryam Hamzeloo-Moghadamb, Arezoo Darbandic, Afshin Karamia, Pargol Mashatia, Vahideh Takhvijia, Ahmad Gharehbaghian. Ergolide, a potent sesquiterpene lactone

induces cell cycle arrest along with ROS-dependent apoptosis and potentiates vincristine cytotoxicity in ALL cell lines. *Journal of Ethnopharmacology*, 2020

57- Mark H. Yazer, Bryon Jackson, Monica Pagano, Naomi Rahimi-Levene, Victoria Peer, José Luis Bueno, Ryan P. Jackson, Hua Shan, Luiz Amorim-Filho, Maria-Esther Lopes, Carla Boquimpani, Ulrik Sprogøe, Mie Topholm Bruun, Kjell Titlestad, Kylie Rushford, Erica M. Wood, Zoe K. McQuilten, Vincenzo de Angelis, Michela Delle Donne, Mike Murphy, Julie Staves, Duck Cho, Fumihiko Nakamura, Akira Hangaishi, Jeannie Callum, Yulia Lin, Mostafa Mogaddam, Ahmad Gharehbaghian, & Miquel Lozano. International Forum on Hospital Transfusion Services' Response to COVID-19. *Vox Sanguinis*, 2020

58- Maryam Sadat Hosseini, Leila Jafari, Reza Shiri Heris, Ahmad Gharehbaghian. Red blood cell alloimmunization in Iran: A Comprehensive review of the literature. *Asian Journal of Transfusion Sciences*, 2020.

59- Leila Jafari , Abbas Hajifathali , Mohammad Hossein Mohammadi , Hamid Ghaedi , Mehdi Allahbakhshian Farsiani , Vahid Amiri , Maryam Sadat Hosseini , Elham Roshandel , Ahmad Gharehbaghian. Clinical Significance of Long Noncoding RNA-DC Expression in Acute Graft Versus Host Disease (AGVHD) Development. *International Journal of Cancer Management*, 2020.

60- Shadi Esmaeili , Ava Safaroghli-Azar , Atieh Pourbagheri-Sigaroodi , Sina Salari , Ahmad Gharehbaghian , Mohsen Hamidpour and Davood Bashash. Stimulation of Peroxisome Proliferator- Activated Receptor-Gamma (PPAR $\gamma$ ) using Pioglitazone Decreases the Survival of Acute Promyelocytic Leukemia Cells through Up-Regulation of PTEN Expression. *Anti-Cancer Agents in Medicinal Chemistry*, 2020

61- Raheleh Moradpoor, Ahmad Gharebaghian, Farhad Shahi, Asadollah Mousavi, Sina Salari, Mohammad Esmaeil Akbari, Soheila Ajdari and Mona Salimi. Identification and Validation of Stage-Associated PBMC Biomarkers in Breast Cancer Using MS-Based Proteomics. *Frontiers in Oncology*, 2020.

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63- Hassan Mohammadlou, Maryam Hamzeloo-Moghadam, Amir Yami, Fatemeh Feizi, Marzieh Moeinifard, Ahmad Gharehbaghian. Britannin a Sesquiterpene Lactone from *Inula aucheriana* Exerted an Anti-leukemic Effect in Acute Lymphoblastic Leukemia (ALL) Cells and Enhanced the Sensitivity of the Cells to Vincristine. *Nutrition and Cancer*; October 2021

64- Amir Yami, Arezoo Darbandi, Esmaeil Saber, Mehdi Tabrizi Namini, Ahmad Gharehbaghian. Assessment the knowledge of blood transfusion in Iranian nurses of Tehran's hospitals. *Transfusion Medicine*; May 2021



- 65- Leila Jafari, Mehrdad Izadirad, Mousa Vatanmakanian, Hamid Ghaedi, Mehdi Allahbakhshian Farsiani, Mohammad Hossein Mohammadi, Vahid Amiri, Maryam Sadat Hosseini, Farzaneh Tavakol, Reza azizian, Ahmad Gharehbaghian, Abbase Hajifathali. IFNG-AS1 and MAF4 long non-coding RNAs are upregulated in acute leukemia patients who underwent bone marrow transplantation. *Current Research in Translational Medicine*; August 2021.
- 66- Hassan Mohammadlou, Maryam Hamzeloo-Moghadam, Mohammad Hossein Mohammadi, Amir Yami, Ahmad Gharehbaghian. Britannin, a sesquiterpene lactone induces ROS-dependent apoptosis in NALM-6, REH, and JURKAT cell lines and produces a synergistic effect with vincristine; *Molecular Biology Reports*; September 2021.
- 67- Mohammad Rafiee, Mehdi Allahbakhshian Farsani, Vahid Amiri, Abbas Hajifathali, Ahmad Gharehbaghian, Mohammad Hossein Mohammadi. Circulatory miR-155 correlation with platelet and neutrophil recovery after autologous hematopoietic stem cell transplantation, a multivariate analysis. *International Journal of Hematology*, 2021, Vol:114, Issue:2, Pages: 235-245
- 68- Mehrdad Izadirad, Zoufang Huang, Farideh Jafari, Amir Ali Hamidieh, Ahmad Gharehbaghian, Yi- Dong Li, Leila Jafari, Zhe-Sheng Chen. Extracellular Vesicles in Acute Leukemia: A Mesmerizing Journey With a Focus on Transferred microRNAs. *Frontiers in Cell and Developmental Biology*, 2022, Vol:9
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- 70- Elham Razani, Hamid Reza Aghayan, Sepideh Alavi-Moghadam, Fatemeh Yari, Ahmad Gharehbaghian, Zohreh Sharifi. A comparative study of pathogen inactivation technologies in human platelet lysate and its optimal efficiency in human placenta-derived stem cells culture. *Journal of Virological Methods*, 2022, Vol: 302, Page:
- 71- Maryam S Hosseini, Leila Jafari, Amir Yami, Ahmad Gharehbaghian. Therapeutic approaches for relapsed/refractory adult acute lymphoblastic leukemia (ALL), a review on monoclonal antibodies and targeted therapies. *Indian Journal of Cancer*, 2022, Vol: 59, Pages: 4-11.
- 72- Somayeh Yazdanparast, Zoufang Huang, Shayan Keramat, Mehrdad Izadirad, Yi-Dong Li, Letao Bo, Ahmad Gharehbaghian, Zhe-Sheng Chen. The Roles of Exosomal microRNAs in Diffuse Large B-Cell Lymphoma: Diagnosis, Prognosis, Clinical Application, and Biomolecular Mechanisms. *Frontiers in Oncology*, 2022, Vol:12