

CURRICULUM VITAE

Ali Amini, Ph.D.

Current Appointment

Assistant Professor, Department of Hematology and Blood Banking, Faculty of Allied Medicine, Iran University of Medical Sciences

Contact Information

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Education and Training

2002-2004	A.D. Medical Laboratory Sciences Shiraz University of Medical Sciences, Shiraz, Iran
2004-2006	B.Sc. Medical Laboratory Sciences Shahid Sadoughi University of Medical Sciences, Yazd, Iran
2006-2009	M.Sc. Laboratory Hematology and Blood banking Tehran University of Medical Sciences, Tehran, Iran
2014-2022	Ph.D. Laboratory Hematology and Blood banking Iran University of Medical Sciences, Tehran, Iran

Honors and Awards

Ranked first position in the countrywide Ph.D. entrance exam of Hematology and Blood Banking, 2014

Ranked first position in the Ph.D. course graduation, Iran University of Medical Sciences, 2014-2022

Awards of Iran's National Elites Foundation; 2014-2017

Award of the best professor of the Shahid Sadoughi University of Medical Sciences, 2012

Ranked second position in the M.Sc. course graduation, Tehran University of Medical Sciences, 2006-2009

Ranked first position in the B.Sc. course graduation, Shahid Sadoughi University of Medical Sciences, 2004-2006

Ranked first position in the A.D. course graduation, Shiraz University of Medical Sciences, 2002-2004

Elected of the Iranian Laboratory Hematology Association, Festival for Medical Laboratory Sciences Day, Tehran, Iran, 2023

Paper Publications

- Pouriafar Y, Rostami S, Alizadghandforoush N, Barati M, **Amini A**, Safa M. CDC27 gene expression patterns as a potential biomarker in Acute Leukemia. *Molecular Biology Reports* ;51(1):865 (2024)
- Pakjoo M, Ahmadi SE, Zahedi M, Jaafari N, Khademi R, **Amini A**^{*}, Safa M. Interplay between proteasome inhibitors and NF- κ B pathway in leukemia and lymphoma: a comprehensive review on challenges ahead of proteasome inhibitors. *Cell Communication and Signaling*; 22(1):105 (2024)
- Heidari F, Faranoush M, **Amini A**, Rahimian E, Kazemi K, Paridar M, Safa M. Overexpression of CHK1 and CHK2 in pediatric patients of B-acute lymphoblastic leukemia. *Iranian Journal of Pediatric Hematology and Oncology*; 13(4):233-40 (2023)
- Sedigh Maroufi S, Moradi Majd P, **Amini A**, Abolghasemi J, Mahdizadeh S. Evaluating the Effectiveness of Using Blood Transfusion Checklists in Reducing Transfusion-Related Complications: A Systematic Review. *Sci J Iran Blood Transfus Organ*; 20(4):346-56 (2023)
- Zafarani A, **Amini A**^{*}. Ferroptosis in Autoimmune Disorders, Viral, and Bacterial Infections. *International Journal of Medical Laboratory*; 10(2): 107-119 (2023)
- **Amini A**, Faranoush M, Paridar M, Kazemi A, Rezvani MR, Safa M. Synergistic Anti-Cancer Effects of Second-Generation Proteasome Inhibitor Carfilzomib with Doxorubicin and Dexamethasone Via p53-Mediated Apoptosis in Pre-B Acute Lymphoblastic Leukemia Cells. *Iranian Journal of Pediatric Hematology & Oncology*; 13(2):99-118 (2023)
- Bahraini M, Faranoush M, Mobaraki SN, Paridar M, **Amini A**, Shabestari RM, et al. Overexpression of long non-coding RNA ANRIL in B-acute lymphoblastic leukemia. *Iranian Journal of Pediatric Hematology & Oncology*; (2021)
- Rahimian E, **Amini A**, Alikarami F, Pezeshki SMS, Saki N, Safa M. DNA repair pathways as guardians of the genome: Therapeutic potential and possible prognostic role in hematologic neoplasms. *DNA repair*; 96:102951 (2020)
- Mobaraki RN, Karimi M, Alikarami F, Farhadi E, **Amini A**, Bashash D, et al. RITA induces apoptosis in p53-null K562 leukemia cells by inhibiting STAT5, Akt, and NF-kappaB signaling pathways. *Anticancer Drugs*; 29(9):847-53 (2018)

- Esmaili MA, Razjou F, Nazel Khosroshahi B, **Amini A**, Namjoo S, Rezvani MR. Evaluations of Detection Methods of Bacterial Contamination in Platelet Components. *International Journal of Medical Laboratory*; 4(4):232-45 (2017)
- Esmaeili MA, Yari F, **Amini A**, Rezvani MR. The effect of cell derived microparticles in transfusion medicine and adaptive immune system. *Archives of Medical Laboratory Sciences*; 2(1):29-35 (2016)
- Tavasolian F, Abdollahi E, Vakili M, **Amini A***. Relationship between ABO blood group and Acute Lymphoblastic Leukemia. *Iranian Journal of Pediatric Hematology & Oncology*; 4(1):1 (2014)
- **Amini A**, Ghaffari SH, Mortazavi Y, Daliri K, Taranejoo S, Alimoghadam K, et al. Expression pattern of hTERT telomerase subunit gene in different stages of chronic myeloid leukemia. *Mol Biol Rep*; 41(9):5557-61 (2014)
- Abdollahi E, Tavasolian F, Esmaili MA, Momtazi Broujeni AA, **Amini A***. Association of ABO Blood Group System and Anti-Sperm Antibody with Male Infertility. *International Journal of Medical Laboratory*; 1(1):54-60 (2014)
- Daliri K, Tabei SM, **Amini A**, Derakhshankhah H. Are ABO and Rh blood groups new genetic risk factors for endometriosis? *Arch Gynecol Obstet*; 288(5):961-3 (2013)
- Abdollahi E, Tavasolian F, Ghasemi N, Vakili M, **Amini A***. The effect of parental ABO blood group on fetal surveillance. *Iranian Journal of Pediatric Hematology & Oncology*; 3(4):154-8 (2013)
- Tabei SM, Daliri K, **Amini A**. The investigation of ABO and Rh blood groups distribution in patients with endometriosis needs new project design. *Arch Gynecol Obstet*; 285(5):1487-8 (2012)

Teaching Experience

- Basic and advanced hematology
- Quality control and quality assurance
- Immunohematology and blood banking
- Molecular biology
- Cell culture

Abstracts in International Congresses

- Evaluation of human Telomerase Reverse Transcriptase (hTERT) in patients with Chronic Myelogenous Leukemia (CML) at different phases of the disease, 14th Congress of the European Hematology Association, Berlin, Germany, June 4-7, 2009
- DNA Extraction and Gel Agarose Electrophoresis Coursework, 5th International Congress of Biochemistry and Molecular Biology & 13th Iranian Congress of Biochemistry, Yazd, Iran, 16-19 April 2013
- PCR-RFLP Coursework, 5th International Congress of Biochemistry and Molecular Biology & 13th Iranian Congress of Biochemistry, Yazd, Iran, 16-19 April 2013

- Evaluations of Detection Methods of Bacterial Contamination in Platelet Components, 10th International Congress of Laboratory and Clinic, Tehran. Iran, 31 Jan- 2 Feb 2018
- The effect of cell derived microparticles in transfusion medicine and adaptive immune system, 10th International Congress of Laboratory and Clinic, Tehran. Iran, 31 Jan- 2 Feb 2018

Experimental Skills

- Extraction and purification of DNA, RNA, Protein
- PCR and PCR-based analysis (PCR-RFLP, ARMS-PCR, RT-PCR, Quantitative Real-time PCR), Primer design for PCR and Real-time PCR
- Western blot analysis, ELISA
- Gene expression profiling
- Flow cytometry
- Cell culture
- Hemoglobin, protein and urine electrophoresis
- Basic and advanced hematological routine tests

Language:

- Farsi (native), English (good)