

CURRICULUM VITAE

Minoo Shahidi Ph.D

Current Appointment:

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

Director of International affairs office and director of E- Learning Management System, Faculty of Allied Medicine, Iran University of Medical Sciences.

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Career history:

Deputy of International affairs office, School of Allied Medicine, Tehran University of Medical Sciences (2012-2013)

-International representative in innovation group, School of Allied Medicine, Tehran University of Medical Sciences (2013)

Membership:

- 1) Member of INTERNATIONAL ADVISORY BOARD of INDIAN SOCIETY FOR ATHEROSCLEROSIS RESEARCH (**ISARCON**).
- 2) Member of Iranian Pain Society.
- 3) Member of Iranian Blood Transfusion Scientific Association
- 4) Editor of Ommega publisher

5) Reviewer for the Journal of Atrial Fibrillation (JAFIB), Journal of Inflammation and Pharmacology and Journal of Inflammation Research (Springer).

Educational Details:

Ph.D (Immuno-Haematology): The inflammatory and thrombotic effects of C-reactive protein in endothelial cells. Diss. Faculty of Health and Medical Sciences, University of Surrey, United Kingdom

M.Sc (Hematology and Blood Banking), School of Medicine, Tarbiat Modares University, Tehran, Iran

B. Sc (Medical Technology), Faculty of Medical Technology, Ahvaz Medical University, Iran.

Selected Publications

Books & dissertation:

- 1) **A chapter of an International Textbook (Advances in Internal Medicine, Springer) In press**
- 2) **The inflammatory and thrombotic effects of C-reactive protein in endothelial cells.** Diss. University of Surrey, UK
- 3) **Basic Hematology from Hematopoiesis to Hemoglobinopathy:** Published by Faculty of Allied Medicine, Iran University of Medical Sciences.
- 4) **Leukocytes and hematologic disorders:** Published by Faculty of Allied Medicine, Iran University of Medical Sciences
- 5) **A guide book for examination of medical technology (part of Haematology & Blood Banking,** Published by Andishe Rafi
- 6) **Techniques in Immunohematology,** Published by Roodgoon & Sinateb
- 7) **Warfarin and I,** Published by Sabora

- 8) **Standards for Clinical Sample Collection**, Published by Sayegostar & Mehregan danesh
- 9) **MSc Hematology and Blood bank Entrance Exam**, Published by Artin teb
- 10) **Laboratory Management (quality in Clinical Laboratory)**, Published by Sayegostar & Mehregan danesh

Refereed articles

- 1) **Shahidi, Minoo**, Soudeh Jafari, Mahmood Barati, Masoumeh Mahdipour, and Mohammad Saeed Gholami. "Predictive value of salivary microRNA-320a, vascular endothelial growth factor receptor 2, CRP and IL-6 in Oral lichen planus progression." *Inflammopharmacology*: 1-7.
- 2) **Shahidi, Minoo**, Najibeh Esmaeili, Mohammad Faranoosh, Ahmad Kazemi, Mahmood Barati, and Nafise Ansarinejad. "Endothelial tip cell formation induced by chronic lymphocytic leukaemia plasma (JAK2 positivity amplified this effect)." *Journal of Hematopathology* (2017): 1-7.
- 3) **Shahidi, Minoo**, Seyed Mohsen Razavi, and Parisa Hayat. "Induction of endothelial cell proliferation and von Willebrand factor expression and secretion by leukemic plasma of patients with chronic lymphocytic leukemia before and after inhibition of NF- κ B." *Blood Coagulation & Fibrinolysis* 27, no. 6 (2016): 711-716.
- 4) **Shahidi, Minoo**. "Thrombosis and von Willebrand Factor." In *Thrombosis and Embolism: from Research to Clinical Practice*, pp. 1-22. Springer International Publishing, 2015.

- 5) **Shahidi, Minoo**, et al. "The in vitro effects of sodium salicylate on von Willebrand factor and C-reactive protein production by endothelial cells." *Inflammopharmacology* 22.6 (2014): 367-372.
- 6) **Shiran, M. B.**, M. Barzegar Marvasti, A. Shakeri-Zadeh, M. Shahidi, N. Tabkhi, F. Farkhondeh, E. Kalantar, and A. Asadinejad. "Enhancement of Toxic Substances Clearance from Blood Equvalent Solution and Human Whole Blood through High Flux Dialyzer by 1 MHz Ultrasound." *Journal of Biomedical Physics and Engineering* 7, no. 2 Jun (2017).
- 7) **Shahidi Minoo**, Jahromy Mahsa Hadipour, Hossein Jafari, and Alireza jafari. "INVESTIGATION OF THE EFFECT OF ELECTROMAGNETIC FIELDS WITH LOW FREQUENCY ON ANXIETY IN MALE MICE." (2016): 79-87.
- 8) Heidarpourian Samaneh¹, **Shahidi Minoo**², Kazemi Ahmad³, Razavi Mohsen⁴, Basi Ali⁵, Hayat parisa⁶ "A comparison between circulating endothelial cell numbers and plasma vWF levels in patient with chronic lymphocytic leukemia and their association with other hematologic findings." *Payavard salamat* (2015). In press
- 9) **Shahidi M** "Could platelet rich plasma effect tip cell production in human vascular endothelial cell cultures?" *IRANIAN JOURNAL OF BLOOD AND CANCER* 3 (2015):104
- 10) Marvasti, M. B., Rasuli, B., Tabkhi, N., Kalantar, E., **Shahidi, M.**, Asadinejad, A. & Shiran, M. B. "ultrasound effect on clearance of toxic substances from blood." river ST, Hoboken 07030-5774, NJ USA:
- 11) **Shahidi, Minoo**, Mahsa Hadipour Jahromy, AliReza Jafari, and Hossein Jafari. "Behavioural effects of electromagnet field with low

- frequency on reserpine-treated mice." Medical Science Journal of Islamic Azad Univesity-Tehran Medical Branch 26, no. 4 (2016): 213-221. WILEY-BLACKWELL (2014) 21. 111
- 12) **Shahidi M**, Motavalian M "Study on cell cycle and DNA content of WBC in mouse after Chlorine Poisoning. Journal of Iran Medical University 48 (2005):107
 - 13) **Shahidi M.**, Rakhshan M, Farhadi M "Evaluation of DNA content (ploidy) in acute lymphoblastic leukemia(ALL) in patients by flow cytometry" journal of faculty of medicine shaheed Beheshti University of medical sciences 26. 4 (2003) :291-294
 - 14) Jafari H, .Abbasi A, .Miri S, **Shahidi M**. Effect of Allium sativum L. aqueous extract on contraction power of isolated atrium from rats following administration of adrenaline. The Journal of Qazvin University 9. 4 (2006) :25-29
 - 15) Jafari H, Gheybi N.A, Abbasi E, Miri S.R.A, Khalili Najafabadi M, **Shahidi M**, Yadegari S., Nabavi S.M. Effects Of Trachyspermum Copticum L. Microinjection In Nucleus Reticularis Paragigantocellularis On Morphine's Withdrawal Syndrome Sing Iranian Journal Of Medicinal And Aromatic Plants Spring 22. 31 (2006):111-16
 - 16) Abbasi E., Jafari H., **Shahidi M.**, Ahmadkhah M. The Effect Of Aloe Vera On Morphine Withdrawal Signs In Mice, Iranian Journal Of Pharmaceutical Research 3.1 2004:73-73
 - 17) H Jafari; **M Shahidi**; E Abbasi; R Gharebaghi. The analgesic effect of aqueous extract of Viola odorata in mice Iranian Journal Of Pharmaceutical Research 3.1 (2004): 73-73

- 18) Jafari. H, Niakan.M, **Shahidi.M.**, Gharahbaghi.R.Evaluation The Effect Cholorotormic Garlic Extract On Reducing The Temprature And Inhibit The Weight Loss In Infected Rabbits With Salmonella Typhimurium. Daneshvar Medicine 9.40 (2002):17-22
- 19) Jafari H, **Shahidi M**, Miri SR, Garebaghi R, Yadegari S "Effects of Trachyspermum Copticum L on Morphin's Withdrawal Syndrome Signs in rats"Journal of Medicinal Plants 3.12 (2000) :15-21

Teaching Experience in UK (University of Surrey):

1. Introduction to immunology: BSc students (2008-2009)
2. Practical Immunology: MSc students (2008-2010)
3. Practical Hematology: BSc students (2009-2010).
4. Practical Biochemistry and Immunology: BSc students (2008-2009)
5. Practical Biochemistry and Chemistry I: BSc students (2008-2009)
6. Demonstrating of Practical Cell and Molecular Biology: BSc students (2008- 2009)
7. Key skill I (statistics): BSc students (2008-2009)

Teaching Experience in Iran:

1. Advance Findings of Hematology,
2. 1. Advance Methods in Hematology
3. Immuno-hematology,
4. Hematology,

5. Quality control in Hematology & blood banking,
 6. Practical Hematology,
 7. Cell culture, etc.:Ph.D. MSc & BSc students (1999 up now).
- **Certificates of invention**
 - A drug to reduce the rate of Heart (Allium Sativum L, extracted from Garlic)
 - A drug to inhibit the acute & chronic pain (it is extracted from Viola Odarata)

Research Experience

1. Determination of minor blood group patterns in southeast of iran with molecular methodes and investigation of alloimmunization probability in major thalassemia patients by receiving random blood
2. Investigation of MicroRNA 31, 200a, 125a as the salivary prognostic biomarkers of malignant transformation and MicroRNA 320 as an angiogenetic marker in patients with oral lichen planuse and lichenoid lesion
3. Distinct and Combination of Prolifratory and Anti-Inflammatory Effects of Resveratrol and Silymarin on Human Gingival Fibroblast (HGF) after and before treatment with LPS and Histamine
4. The effect of silymarin on endothelial cell homeostatic and fibrinolytic functions in comparison with Vasopressin in cell culture

5. Study on the mechanism of orexin effect on cAMP and CREB in hippocampal neurons of rat
6. The Effect of chronic lymphoid leukemia (CLL) patient plasma on endothelial production of germ cells (Tip Cell) in the culture medium
7. The effect of chronic leukemic plasma on endothelial cell cycle before and after suppression of NF-KB signalling pathway
8. Circulating endothelial cell detection in blood could be a prognostic factor in patients with chronic leukemia.
9. Investigation of the mechanism of C-reactive protein thrombotic effects on Human Coronary Artery Endothelial Cells
10. Study of quantity, quality, cell cycle and DNA content of white blood cells in mice after Chlorine poisoning.
11. Study of the normal range of Hematological parameters in the population of Tehran city
12. The Effect of Sulphur dioxide (SO₂) on cell cycle of blood, lung and liver cells

Expertise:

- Confocal Fluorescence Microscopy, Mammalian cell culture, ELIS, PCR, etc.
- Identification and diagnosis of morphology of blood & bone marrow
- Immunophenotyping of mammalian cells (CD markers)
- Measurement of DNA content & cell cycle analysis by

Workshops and Courses:

-Knowledge Transfer and Exchange: Iran University of Medical Sciences (2015)

-Workshop on personal knowledge: Iran University of Medical Sciences (2015)

Smart Health& Wellbeing: Shahid Beheshti University of Medical Sciences (2014)

- **-Ethics in medicine (1) at the** Tehran University of Medical Sciences and Health Services (2011)
- **-Ethics in medicine (2) at the** Tehran University of Medical Sciences and Health Services (2011)

-Fundamentals of clinical research and GCP at the University of Surrey (2008).

-Academic writing at the University of Surrey (2007).

-Introductory Course for New research Students University of Surrey (2007).

-International Computer Driving License (ICDL) Workshop, Iran University of Medical Sciences, Tehran, Iran, 2004-2005

- Introductory course in Medical education, Iran University of Medical Sciences, Tehran, Iran, 1995

Awards:

1. As a selected academic member (2017)

1. BSI Award (British Society for Immunology) for taking part in the XXII Congress of the International Society on Thrombosis and Hemostasis, Boston, USA, July 2009.

2. Berend Houwen Travel Award ISLH (International Society for Laboratory Hematology) for taking part in ISLH, New Orleans, USA 2011.

3. A certificate of IUMS as a topic researcher

4. A certificate of TUMS as a topic lecturer

5. A certificate of TUMS as a topic lecturer

Published Abstracts

At International congress:

- 1) **Shahidi M:** in vitro effect of Platelet rich plasma on production of angiogenic cells in HUVECs, International Society For laboratory Hematology, Milano, Italy May 12-14, 2016
- 2) **Shahidi M, Esmaili** 'Platelet rich plasma reduced vascular endothelial growth factor receptor-2 (VEGFR2) levels in human vascular endothelial cell culture' European Congress of Immunology, Vienna, 2015

- 3) **Shahidi, M**, ‘C-reactive protein increases von Willebrand Factor and decreases tissue plasminogen activator production by endothelial cells. 4th congress of clinical Laboratory, Iran, 2011.
- 4) **Shahidi M**, L. Powell, E. Oviedo-Orta and K. Bodman-Smith ‘Incubation of endothelial cells with CRP results in alteration of FcγR expression’ XXII Congress of the *International Society on Thrombosis and Haemostasis*, Boston, *USA, July 2009*.
- 5) **Shahidi M**, N. Panchal, S. Wright, C. Adams, E. Oviedo-Orta and K. Bodman-Smith ‘Is there a role for C-reactive protein in endothelial cell activation and the atherogenic process?’ *Faculty of Health and Medical Sciences, Research Festival, UK, July 2008*.
- 6) **Shahidi M**, N. Panchal, S. Wright, C. Adams, E. Oviedo-Orta and K. Bodman-Smith ‘The role of C-reactive protein in endothelial cell activation and the atherogenic process’ Faculty of Health and Medical Sciences, Research *Cardiovascular Research Symposium, UK, October 2007*.
- 7) **Shahidi M**, Jafari H. ‘The Effect of Sulphur dioxide (SO₂) on cell cycle of blood, lung and liver cells’ *European Federation of Neurological Science, Glasgow, UK, September 2006*.
- 8) **Shahidi M**, Motavalian M. ‘Study on cell cycle and DNA content of WBC in mice after Chlorine Poisoning’. *European Federation of Neurological Science, Athens, Greece, September 2005*.
- 9) Jffari H, **Shahidi M**, Miri SR, Garebaghi R, Yadegari S. ‘Effects of *Trachyspermum Copticum* L on Morphin's

Withdrawal Syndrome Signs in rats'. *European Federation of Neurological Science Franc, Paris, France, September 2004.*

- 10) **Shahidi M.** *European Federation of Neurological Scienc,* Helsinki, Finland September 2003
- 11) **Shahidi M.** *Medicinal Plants in Thailand, 2002*
- 12) **Shahidi M.** Study on DNA content (ploidy) in children with Acute Lymphoblastic Leukemia (ALL) by Flowcytometric method *Transfusion Medicine, India, 2001*
- 13) **Shahidi M.** Study on the relationship between DNA content and Immunological classification in children with ALL. *Physiology & pharmacology Congress, Russia 1998.*

At National (Iranian) congress:

1. **Shahidi M,** Esmaili 'Platelet rich plasma reduced vascular endothelial growth factor receptor-2 (VEGFR2) levels in human vascular endothelial cell culture' European Congress of Immunology, Vienna, 2015
2. **Shahidi M:** 'C-reactive protein increases von Willebrand Factor and decreases tissue plasminogen activator production by endothelial cells' the 4th Congress of Laboratory & Clinic, Medical University of Shahid Beheshti, Tehran, Iran, 2011
3. **Shahidi M:** The 2nd Federation of Asia-Oceanian Neuroscience Societies (FAONS), Medical University of Shahid Beheshti, Tehran, Iran, 2004.
4. **Shahidi M.** 'Study on the relationship between DNA content (ploidy) & Immunophenotype in children with ALL'

- The first student congress of cancer, Shahed University, Iran, 2003.
5. **Shahidi M.** ‘Study of Hematologic parameters in Addicts rats’. Congress on Addiction: Challenges & Treatments, Zahedan, Iran, 2003) Shahidi M. ‘Evaluation of the effects of Trachyspermum Copticum to reduce the Morphines Withdrawal Syndrome signs’. The Congress on Addiction: Challenges & Treatments Zanjan, Iran, 2002
 6. **Shahidi M.** ‘Study on DNA content in lymphocytes of mice after chlorine poisoning’. The Congress of Military Medicine, Iran, 2002
 7. **Shahidi M.** ‘The role of hidrocortizone in the prevention of pathologic effects after chlorine poisoning’. The Congress of Military Medicine, Iran, 2002.
 8. **Shahidi M.** The 2nd Federation of Asian-Oceanian Neurosciences Society, Tehran University, Iran, 2004.
 9. **Shahidi M.** The 3rd Scientific Annual Meeting of the Iranian Pain Society, Iran University, 2003.
 10. **Shahidi M.** ‘Study on Hematologic Parameter in addicted rats’ The 16th Congress of physiology & pharmacology, Tarbiat Modaress University, Iran, 2003.
 11. **Shahidi M.** ‘Serum Bacterial activity against Yersinia Enterocolitica in Thalassemia’ The Third Microbiology Congress. Hamadan, Iran, 2000.
 12. **Shahidi M.** ‘The Effect Of Uhembin On’ The first congress of Family and Sexual problems, Shahed University, Iran, 2003.
 13. **Shahidi M.** ‘Evaluation of the effects of Trachyspermum Copticum to reduce the Morphines Withdrawal Syndrome

- signs'. The Congress on Addiction: Challenges & Treatments
Zanjan, Iran, 2002
14. **Shahidi M.** 'Study on DNA content in lymphocytes of mice after chlorine poisoning'. The Congress of Military Medicine, Iran, 2002
 15. **Shahidi M.** 'The role of hydrocortizone in the prevention of pathologic effects after chlorine poisoning'. The Congress of Military Medicine, Iran, 2002.
 16. **Shahidi M.** The 2nd Federation of Asian-Oceanian Neurosciences Society, Tehran University, Iran, 2004.
 17. **Shahidi M.** The 3rd Scientific Annual Meeting of the Iranian Pain Society, Iran University, 2003.
 18. **Shahidi M.** 'Study on Hematologic Parameter in addicted rats' The 16th Congress of physiology & pharmacology, Tarbiat Modaress University, Iran, 2003.
 19. **Shahidi M.** 'Serum Bacterial activity against Yersinia Enterocolitica in Thalassemia' The Third Microbiology Congress. Hamadan, Iran, 2000.
 20. **Shahidi M.** 'The Effect Of Uhembin On' The first congress of Family and Sexual problems, Shahed University, Iran, 2003.