

CURRICULUM VITAE

Sarah Mousavi, Pharm D, BCPS

Personal information:

Address

Office:

Department of Clinical Pharmacy, Faculty of Pharmacy, Isfahan University of Medical Sciences, HezarJarib Avenue, Isfahan, Iran.

Tel: 031-37927072.

E-mail: s.mousavi@pharm.mui.ac.ir

Date of Birth: 1981

Education/Degree

2005 *Residency Training Program*, Tehran University of Medical Sciences, Faculty of Pharmacy, Iran.

1999 *Doctor of Pharmacy*, Pharm. D. Isfahan University of Medical Sciences, Faculty of Pharmacy, Iran.

Licensure

Pharmacy Licenses

Iranian Board Certified Pharmacotherapy Specialist (BCPS)

Clinical Pharmacy Practitioner (Pharm. D.)

Registered Pharmacist (Iranian Medical Council ID: D-12549)

Other Professional Licenses

Training course on Clinical Pharmacy, Alfred Hospital, Monash University, Melbourne, Australia, October 2010- April 2011.

Publications:

1- Mousavi S, Mojtahedzadeh M, Abdollahi M. Place of iron chelators like desferrioxamine and deferasirox in management of hyperoxia-induced lung injury: A systematic review. *Int J Pharmacol*, 2010; 6:326-337

2- Fahimi F, Sharif kashani B, Hosseinihamedi Z, Salamzadeh J, Namdar R, Mousavi S, Ziaie S. The first pharmacist based warfarin monitoring service in Iran. *JPHSR* 2011;2(1):59-62.

- 3- Mousavi S, Abdollahi M, Ahamadi A, Najafi A, Pazoki M, Hadjibabaei M, Ziaee S, Hamishehkar H, Kebriaeezadeh A, Mojtahedzadeh M. The dilemma of hyperoxia following positive pressure mechanical ventilation: Role of iron and benefit of iron chelation with deferasirox. *Eur Rev Med Pharmacol Sci* 2011; 15 (10): 1141-1148
- 4- Mahmoudi L, Niknam R, Mousavi S, Ahmadi A, Honarmand H, Ziaie S, Mojtahedzadeh M. Optimal amnioglycoside therapy following sepsis: How much is too much?. *Iran J Pharm Res*. 2013 Spring;12(2):261-9.
- 5- Ziaie S, Mojtahedzadeh M, Jamaati HM, Hashemian M, Fahimi F, Farzanegan B, Mousavi S, Hamishehkar H. The relationship between vitamin E plasma and BAL concentrations, SOD activity and ventilatory support measures in critically ill patients. *Iran J Pharm Res*. 2011 Fall;10(4):953-60.
- 6- Hajhashemi V, Ghannadi A, Mousavi S. Antinociceptive study of extracts of *Platanus orientalis* leaves in mice. *Res Pharm Sci*. 2011 Jul;6(2):123-8.
- 7- Mousavi S, Levkovich B, Mojtahedzadeh M. A systematic review on pharmacokinetic changes in critically ill patients: role of extracorporeal, membrane oxygenation. *DARU* 2011;19(5):312-321.
- 8- Hendoui N, Beigmohammadi M, Mahmoodpoor A, Ahmadi A, Abdollahi M, Mousavi S, Mojtahedzadeh M. Reliability of calcium-binding protein S100B measurement toward optimization of hyperosmolar therapy in Traumatic Brain Injury. *Eur Rev Med Pharmacol Sci*. 2013 Feb;17(4):477-85.
- 9- Kouti L, Noroozian M, Akhondzadeh S, Abdollahi M, Javadi MR, Faramarzi MA, Mousavi S, Ghaeli P. Nitric oxide and peroxynitrite serum levels in Parkinson's disease: correlation of oxidative stress and the severity of the disease. *Eur Rev Med Pharmacol Sci*. 2013 Apr;17(7):964-70.
- 10- Honarmand H, Abdollahi M, Ahmadi A, Javadi M, Khoshaiand M, Tabeefar H, Mousavi S, Mahmoudi L, Radfar M, Najafi A, Mojtahedzadeh M. Randomized trial of the effect of intravenous paracetamol on inflammatory biomarkers and outcome in febrile critically ill adults. *Daru*. 2012 Aug 28;20(1):12.
- 11- Abedini F, Ahmadi A, Yavari A, Hosseini V, Mousavi S*. Comparison of Nanocrystalline Silver Wound Dressing and Silver Sulfadiazine in Partial Burn Wound Therapy. *Int Wound J*. 2013 Oct;10(5):573-8.
- 12- Hamishehkar H, Beigmohammadi MT, Abdollahi M, Mousavi S, Ziaie S, Sharifian R, Davudi S, Mojtahedzadeh M. Pro-inflammatory cytokines profile and mortality rate of critically ill septic patients following therapeutic plasma exchange. *Transfus Apher Sci*. 2013 Feb;48(1):75-8.
- 13- Eslami K, Mahmoodpoor A, Ahmadi A, Abdollahi M, Kamali K, Mousavi S, Najafi A, Baeri M, Hamishekar H, Kouti L, Javadi MR, Mojtahedzadeh M. Positive effect of Septimeb on mortality rate in severe sepsis: a novel non antibiotic strategy. *Daru*. 2012 Sep 25;20(1):40.

14- Mousavi S, Behi M, Taghavi MR, Ahmadvand A,ZiaieS, MoradiM. Drug Utilization Evaluation of imipenem and intravenous ciprofloxacin in a teaching hospital. IJPR 2013; 12(Suppl):157-163.

15- Mousavi S*, Mansouri A, Ahmadvand AR. A bibliometric study of publication patterns in Rational Use of Medicines in Iran. Pharm Pract (Granada). 2013 Jan; 11(1):38-43.

16- Mousavi S, Mansouri A, Jahangard Z, Sarayani A, Hadjibabaei M, Gholami K. Bibliographic search of publication patterns in Rational Use of Drugs in IRAN: A systematic approach. Acta Medica Iranica 2014; 52(1): 76-81.

17- Nasiripour S, Gholami K, Mousavi S, Mohagheghi A, Radfar M, Abdollahi M, Khazaeipour Z, Mojtahedzadeh M. Comparison of the effects of enoxaparin and heparin on inflammatory biomarkers in patients with ST-segment Elevated Myocardial Infarction: A prospective open label pilot clinical trial. IJPR 2013; In Press.

18- Zeighami S, Mousavi S, Hadjibabaei M, KhoeiSh, Ghavamzadeh A. Assessment of Cyclosporine Serum Concentrations on the Incidence of Acute Graft versus Host Disease Post Hematopoietic Stem Cell Transplantation. IJPR 2014; 13 (1): 305-312

19- Mousavi S*. Vaopressin and septic shock. J Pharm Care 2013; 1(2):65-73.

20- Ahmadi A, Mojtahedzadeh M, Javadi F, Abdollahi M, Najafi A, Mousavi S*. Role of Iron in hyperoxia-induced lung injury: One step forward in Iron chelation. J Pharm Care 2013; 1(3): 90-94

21- Mohammadi M, Mirrahimi B, Mousavi S, Moradi M. Drug Use Evaluation of Three Widely Prescribed Antibiotics in a Teaching Hospital in East of Iran. J Pharm Care 2013; 1(3): 100-103.

22- Etminani Isfahani M, Mousavi S, Rakhshan A, Assarian M, Kuti L, Eslami K. Adverse Drug Reactions: Knowledge, Attitude and Practice of Pharmacy Students. J Pharm Care 2013; 1(4): 145-148.

23- Ayazkhoo L, Mousavi S, Ramazani F, Ayatollahi-Tafti M, Sa'dabadi Z, Sistanizad M. Vancomycin Utilization Evaluation: Are We Dosing Appropriately? J Pharm Care 2013; 1(4):149-152.

24- Moradi M, Mousavi S*, Afshari AR, Tabrizian K, Ashrafi MH. Potential Drug-Drug Interactions in Prescriptions Dispensed in Community and Hospital Pharmacies in East of Iran. JRPP 2014; 3(3):104-107.

25- Mousavi S, Norouzi M, Ashouri A, Javadi MR, Gholami K, Hadjibabaie M. Study of Potential Drug-Drug Interactions in Prescriptions of University-Based Pharmacies. J Pharm Care 2014; 2(2): 60-65.

26- Mousavi S*, Zargarzadeh A. Rational Drug Use in Iran: A Call for Action. J Pharm Care 2014; 2(2):47-8.

27- Shahrami B, Najmeddin F, Mousavi S, Ahmadi A, Mojtahedzadeh M. Therapeutic Drug Monitoring of Vancomycin Following Critical Care Illnesses: Peak Concentration Determination Maybe Critical. J Pharm Care 2014; 2 (3): 137-139

28- Mousavi S*, Moradi M, Khorshidahmad T, Motamedi M. Anti-inflammatory Effects of Heparin and its Derivatives: A Systematic Review. Advances in Pharmacological Sciences 2015;

29- Mousavi S, Mazloomzadeh M, Moradi M. Physicians' Knowledge, Attitudes, and Practice about the Treatment of High Blood Pressure According to the Seventh Report of the Joint National Committee (JNC VII). International Research Journal of Pharmacy 2015; 6(2): 94-7.

30- Laleh Mahmoudi, Forough Sharifzadeh, Sarah Mousavi, Bahman Pourabbas, Ramin Niknam. Susceptibility testing of Helicobacter pylori: Comparison of E-test and Disk Diffusion for Metronidazole and Mutations in rdxA gene sequences of Helicobacter pylori strains. Trends in Pharmaceutical Sciences 2015; 1(4): 235-242.

31- Ramin Niknam, Sarah Mousavi, Alireza Safarpour, Laleh Mahmoudi, Paria Mahmoudi. Self-medication of irritable bowel syndrome and dyspepsia: How appropriate is it? Journal of Research in Pharmacy Practice 2016;5(2):121-125.

32- Barzegar E, Ahmadi A, Mousavi S, Nouri M, Mojtahedzadeh M. The Therapeutic Role of Vasopressin on Improving lactate Clearance During and After Vasogenic Shock: Microcirculation, Is It The Black Box? Acta Med Iran 2016 Jan;54(1):15-23.

33- Shahrami B, Najmeddin F, Mousavi S, Ahmadi A, Rouini MR, Sadeghi K, Mojtahedzadeh M. Achievement of Vancomycin Therapeutic Goals in Critically Ill Patients: Early Individualization May Be Beneficial. Crit Care Res Pract. 2016;2016:1245815.

34- Sarah Mousavi, Mina Dadpoor, Farzaneh Ashrafi. Granulocyte Colony-Stimulating Factor Use in a Large Iranian Hospital: Comparison with American Society of Clinical Oncology (ASCO) Clinical Practice Guideline. International Journal of Hematology- Oncology and Stem Cell Research 2016; 10(2):85-91.

35- Sarah Mousavi*, Alireza Ghannadi, Mohsen Meidani. New Horizon in the Treatment of Sepsis: A Systematic Review of Alternative Medicine. Journal of Complementary and Integrative Medicine 2016: In press.

36- Elham Kalantari, Sarah Mousavi*, Atieh Aliyar Samani. Venous thromboembolism prophylaxis in medical inpatients and adherence to guideline recommendations: a prospective study. International Journal of Pharmaceutical Sciences and Research 2016: In press.

37- Mandana Moradi, Sarah Mousavi*. Drug Use Evaluation of Diabetes Mellitus in Non-Hospitalized Patients. International Journal of Pharmacy and Pharmaceutical Sciences 2016; In press.

38- Sarah Mousavi*, Mohammdreza Amirsadri . Objective Structured Clinical Examination in Undergraduate Pharmacy Students: Time to Switching to an Alternative Exam for Clerkship Courses. Indian Journal of Pharmaceutical Education and Research; 2016 octobre, In press.

***Corresponding author**

Submitted paper:

Sarah mousavi, Golshan Ghanbari. Potential drug-drug interactions among hospitalized medical patients in a developing country. Caspian Journal of Internal Medicine. In review

Sarah Mousavi, Elham Zamani. An audit of perioperative antimicrobial prophylaxis: Time to take action. International Journal of Hospital Research, in review.

Prepared manuscript for submission

Supervised Thesis

1- Potential drug-drug interaction in internal medicine wards in Alzahra teaching hospital, Isfahan, 2014-2015

2- Granulocyte Colony-Stimulating Factor (GCSF) patterns of use in Alzahra teaching hospital, Isfahan, 2014-2015.

3- The effects of Vitamin E on cisplatin-induced Nephrotoxicity in Cancer patients treated with cisplatin-based chemotherapy

4- Randomized trial of bupropione effect on cancer-related fatigue in cancerous patient.

5- Audit of prophylactic surgical antibiotic use in Alzahra teaching hospital, 2014-2015, Isfahan

6- Evaluation of venous thromboembolic prophylaxis and adherence to ACCP guidelines in medical inpatients of Alzahra hospital, Isfahan, 2014-2015.

7- Evaluation of the anti-inflammatory effects of nebulized heparin in mechanically ventilated patients

8- Medication Use Evaluation of Dabigatran within Alzahra hospital in Isfahan, 2015-2016.

9- Evaluation the presepsin changes in septic patients receiving antibiotic treatment in Intensive care units of Alzahra hospital, 2016-2017

10- Investigation of addition of nebulized colistin to current systemic antimicrobial therapy in ventilator-associated pneumonia caused by Gram-negative bacteria in critically ill patients at Alzahra hospital, Isfahan.

Book:

FanakFahimi, Sarah Mousavi. Educational booklet for transplant medication patient, NRITLD, 1388.

FanakFahimi, Sarah Mousavi, Azita haj hosseintalasaz. Discontinuation and reinstating of medication in the perioperative period. NRITLD, 1389.

Physician's Desk Reference, Iran, 1388.

Drug Intake tips, Daf publication, 1391.

The principles of Pharmaceutical services in hospital, Daf publication, 1391.

Principle Editor of **Iranian textbook of pharmacotherapy** and author of 7 chapters (principle of infectious disease, surgical prophylaxis, viral hepatitis, central nervous system infection, upper respiratory tract infection, chronic renal failure, inflammatory bowel disease), Iran, Rooznameh Rasmi Publication, 1392.

Projects

Investigation on the effect of vasopressin on vascular injury biomarkers in septic shock patient. 1391. Finished

Comparison of fixed and individualize regimen of vancomycin in achievement to recommended blood concentration based on clinical guidelines in critically ill patients, 1391. Finished

Comparison the anti-inflammatory effects of nebulized heparin with nebulized budesonide in mechanically ventilated patients, 1394, In Patient recruitment Phase

Conferences:

Hajhashemi V, Ghannadi A , Mousavi S .The pharmacologic effect of platanus orientalis, 11th Iranian Pharmacy Students Seminar, shiraz, 2005.

Mousavi S, Mojtahedzadeh M. The dilemma of hyperoxia following positive pressure mechanical ventilation: Role of iron and benefit of iron chelation with deferasirox. Poster in: First Iranian society of clinical pharmacist Conference, Tehran, May 2010.

Fahimi F, Mousavi S. The first pharmacist based warfarin monitoring service in Iran. Poster in: First Iranian society of clinical pharmacist Conference, Tehran, May 2010.

Medication Management Safety. Workshop in: The 36th SHPA International Conference, Melbourne, Australia, Nov 2010.

Mousavi S, Mansouri A, Jahangard Z, Sarayani A, Hadjibabaei M, Gholami K. A systematic search of publication patterns in Rational Use of Drugs in IRAN. Third Iranian society of clinical pharmacist Conference, Tehran, May 2012.

Mousavi S, Mazloomzadeh M, Moradi M. Physicians' Knowledge, Attitudes, and Practice about the Treatment of High Blood Pressure According to the Seventh Report of the Joint National Committee (JNC VII). 5th Iranian society of clinical pharmacist Conference, Tehran, May 2014.

Mousavi S, Shahrami B, Najmeddin F, Mojtahedzadeh M. Optimization of Vancomycin Dosing Regimens in Critically Ill Patients: Focus on Early Individualization. International Workshop on Pharmacy and Pharmacology, Istanbul, Turkey, July 2015.

Sarah Mousavi, Mina Dadpoor, Farzaneh Ashrafi. Granulocyte Colony-Stimulating Factor Use in a Large Iranian Hospital: Comparison with American Society of Clinical Oncology (ASCO) Clinical Practice Guideline. 7th Iranian society of clinical pharmacist Conference, Tehran, May 2016.

Professional & Clinical Experiences

Assistant Professor of Clinical Pharmacy, Faculty of Pharmacy, Isfahan University of Medical Sciences, Isfahan, Iran, 2013-con.

Clinical Pharmacist of Intensive care unit and executive manager of P&T Committee of Rasoul Akram Hospital, IUMS, Tehran, Iran, 2012-2013.

Managing editor of Journal of Pharmaceutical Care, RCRUD, TUMS, 2012-con. (<http://jpc.tums.ac.ir>)

Researcher at Research Center for Rational Use of Drugs (RCRUD), 2011-2012.

Community pharmacy teaching experience for pharmacy students: 2005 to present- TUMS (Tehran University of Medical Science) & Isfahan University of Medical Science.

Three years of clinical experience in different clinical wards in TUMS and SBMU Teaching Hospitals.

7 Months training course in "Alfred" hospital, Melbourne, Australia.

Pharmacy Consultant: Drug and Poison Information Center (DPIC), TUMS, 2008-2009.

Staff pharmacist: "Sajad" Pharmacy, Isfahan, 2004-2005.

Establishment of the Isfahan pharmacy student study group

Teaching and lectures

The role of MRI in patient care: a pharmaceutical approach, School of pharmacy & pharmaceutical science, Isfahan University of Medical Science, Isfahan, Iran, January 2005

Oral OTC preparation, School of pharmacy & pharmaceutical science, Isfahan University of Medical Science, Isfahan, Iran, December 2004

Clinical use of OTC preparation in gynecology, School of pharmacy & pharmaceutical science, Isfahan University of Medical Science, Isfahan, Iran, November 2004

Clinical use of OTC preparation in gastroenterology, School of pharmacy & pharmaceutical science, Isfahan University of Medical Science, Isfahan, Iran, June 2003

Update on headache pathophysiology & therapeutics, School of pharmacy & pharmaceutical science, Isfahan University of Medical Science, Isfahan, Iran, May 2003

Update on Tyrosin kinase inhibitor in treatment of cancer, Shariatiteaching hospital, Tehran University of Medical Science, Tehran, Iran, June 2007

Update on the treatment of chronic GVHD, Shariatiteaching hospital, Tehran University of Medical Science, Tehran, Iran, May 2007.

Drug induced hematologic disorder, Masihdaneshvari teaching hospital, Shahid Beheshti university of Medical Science, Tehran, Iran, October 2008.

Hematological cancers pharmacotherapy. School of pharmacy & pharmaceutical science, Isfahan University of Medical Science, Isfahan, Iran, August 2010.

Obesity and weight management pharmacotherapy. School of pharmacy & pharmaceutical science, Isfahan University of Medical Science, Isfahan, Iran, August 2010.

Cardiovascular disorders :review of prescriptions. School of pharmacy & pharmaceutical science, Isfahan University of Medical Science, Isfahan, Iran, August 2010.

Updates in pharmacotherapy. Iranian Society of Clinical Pharmacists, Tehran University of Medical Sciences, Tehran, Iran, October 2011.

Perioperative medication management.Hospital pharmacy education workshop,ShahidBeheshtiUniversity of Medical Science,Tehran, Iran, March 2012 and December 2012.

Lectures in continued educations of registered pharmacists about:

- Pharmacotherapy of Hypertension
- Pharmacotherapy of Inflammatory Bowel Disease
- Pharmacotherapy of Asthma
- Pharmacotherapy of Seizure
- Pharmacotherapy of Urinary Tract Infection
- Pharmacotherapy of Acute Coronary Syndromes
- Pharmacotherapy of Thromboembolic disorders
- Pharmacotherapy of nausea and vomiting
- Pharmacotherapy of Gastro esophageal Reflux Disease
- Pharmacotherapy of common dermatological problem: OTC treatment

Lectures in first Iranian society of clinical pharmacist conference:

- Case review: Pharmacotherapy of kidney and lung transplantation(workshop)
- Novel antibiotics(workshop)

Lectures in third Iranian society of clinical pharmacist conference:

- Review of cosmetics product(acne, sunscreens, anti-wrinkle products)(workshop)
- Review of eczema and dermatitis(work shop)
- Medication errors and pharmacy practice(workshop)

Lectures in fourth Iranian society of clinical pharmacist conference:

- Review of Cosmetic products in skin care (workshop)

Lectures in 5th Iranian society of clinical pharmacist conference:

- Review of Cosmetic products in skin care (workshop)
- Pharmacotherapy of common dermatological problem: OTC treatment

For Undergraduate Students:(since 2005 to present)

- Pneumonia
- Tuberculosis
- Chemotherapy
- Total Parenteral Nutrition
- Hypertension
- Hyperlipidemia

- Heart Failure
- Renal Failure
- Guide to good prescribing
- Urinary tract infections
- Meningitis
- Diabetes
- Epilepsy
- Thyroid disorders
- Hypophysis/adrenal Disorders
- GI disorders
- Rheumatologic disease

Professional Affiliation:

Iranian Medical Council Organization
 Iranian Society of Clinical Pharmacists
 Fellow of pharmacy student's research committee

Awards received

First honor student of Isfahan University of Medical Science, Pharmacy Faculty, 2005.
 First Place position in 6th Iranian Clinical Pharmacy Board, 2009.

Top ranked workshop in fourth Iranian clinical pharmacy congress

Interests and Abilities

- Computer Sciences: Excel, SPSS, Word, PowerPoint, Access, Endnote, Reference Manager
- Applied Clinical Pharmacokinetics
- Pharmacotherapy of critically ill patients (ICU)
- Pharmacotherapy in internal medicine
- Rational Use of Drugs/Medication Safety

Workshops Participated

- Research Methodology
- Scientific Writing
- Reference manager/End Note
- Systematic review and Meta-analysis
- How to write and get published(springer)
- Summer course of Pharmacoepidemiology(2012,Tehran, Iran)
- Introduction to OJS(Open Journal System)

References: Available upon request.