



Bahador Bagheri

Born: 1982, married with two children

Assistant Professor of Pharmacology,
Department of Pharmacology, School of Medicine,
Semnan University of Medical Sciences (SEMUMS),
Semnan, Iran. PO Box: 35198-99951
Email: bagherib@semums.ac.ir, bahadordvm@yahoo.com

Education Summary

- **Qualification (2008):** Doctorate of Veterinary Medicine (DVM), School of Veterinary Medicine, Garmsar Azad University, Garmsar, Iran
- **Qualification (2014):** PhD of Pharmacology, School of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran
- **Visiting Scholar (2017):** Therapeutics Initiative, Department of Anesthesiology, Pharmacology & Therapeutics, University of British Columbia, Vancouver, Canada; Supervised by James Wright
- **Postdoctoral Research Fellow (2021):** Center for Molecular Cardiology, University of Zurich, Switzerland; Supervised by Thomas Luscher

Key Skills

- Clinical Trial
- Clinical Design

Teaching Experience

2009-present Pharmacological Sciences for students of Medicine, Pharmacy, Dentistry, Immunology (MSc), Nursery (BS, MSc), Physiology (MSc, PhD), Anesthesiology...

Language Skill

TOEFL (paper), Score: 570

Research Interests

Clinical Trials, Cardiovascular and hematological Diseases

Selected Publications

1. Azizzadeh A, Pahlevan D, **Bagheri B**. The efficacy and safety of pimecrolimus 1% cream vs. sertaconazole 2% cream in the treatment of patients with facial seborrhoeic dermatitis: A randomized blinded trial. *Clin Exp Dermatol*. 2022;47(5):926-931.
2. Salarian S, Memary E, Taheri F, **Bagheri B***. Gabapentin as Add-On to Fentanyl and Midazolam in Patients Receiving Mechanical Ventilation: A Randomized, Blinded Study. *Turk J Anaesthesiol Reanim*. 2022;50(2):101-106.
3. Hajilou F, Youseflee P, Pashaei M, Bagheri K, **Bagheri B***. Review on Interferon beta: from cells to clinical usage. *Koomesh*. 2022;24(1):26-37.
4. Hesari H, Kafshdoozan K , Kokhaei P , **Bagheri B**, Ghaffari Khaligh S. Lactobacillus paracasei Has Anti-Inflammatory Effect on the Heart Failure Induced by Isoproterenol in Rats. *Iranian Journal of Toxicology*. 2022;16(3):195-202.
5. Eskandarian R , **Bagheri B**, Zahmatksh M , Malek F, Darban M, Memarian M , Gohari A , Sarabi M, Mirmohammadkhani M. The combined effect of Algomed and a quadruple herbal brew of Iranian traditional medicine on the severity and outcome of COVID-19; a randomized controlled clinical trial recruiting inpatients. *Immunopathol Persa*. 2022;8(x):exx
6. Aziz Eghbali, Roghayeh Rahimi Afzal, Mojtaba Hashemi, Aygin Eghbali, Bahar Taherkhanchi, **Bagheri B***. A Randomized, Controlled Study Evaluating the Effects of Silymarin Addition to Deferasirox on the Liver Function of Children with Transfusion-Dependent Thalassemia. *Iran J Ped Hematol Oncol*. 2021, Vol 11, No 4, 255-262
7. Shawish MI, **Bagheri B**, Musini, VM, Adams SP, Wright JM. Effect of atorvastatin on testosterone levels. *Cochrane Database Syst Rev*. 2021(1), CD013211.
8. Darban M, Malek F, Memarian M, Lavvaf S., **Bagheri B***. Efficacy of high dose Vitamin C, melatonin and zinc in Iranian patients with acute respiratory syndrome due to coronavirus infection: A pilot randomized trial. *JCMA*.2021;6(2): 164-167.
9. Eghbali A, Behtash M, Afzal R, Taherkhanchi, B, **Bagheri B***. Filgrastim versus pegfilgrastim for neutropenia prevention in children with solid tumors: A randomized trial. *JCHR*.2021; 11(Special Issue):19-25.

10. Salarian S, Mirrahimi B, Hadavand F, Daghi, G, **Bagheri B***. Impact of intravenous pantoprazole versus oral pantoprazole on gastric ph in pediatric intensive care unit: A randomized trial. *JCHR*.2021;11(Special Issue):113-119.
11. Eghbali A, Afzal RR, Sheikhbeygloo R, Eghbali A, Taherkhanchi B, **Bagheri B***. Dabigatran versus warfarin for the treatment of pediatric thromboembolism: A pilot randomized trial. *Pharmaceutical Sciences*.2020; 26 (3):338-342
12. Mousavi-Hasanzadeh M, **Bagheri B**, Mehrabi S, Eghbali A, Eghbali A. Sirolimus versus cyclosporine for the treatment of pediatric chronic immune thrombocytopenia: A randomized blinded trial. *International Immunopharmacology*.2020; 88:106895.
13. Dorreh F, Esmaeili MH, Yousefichaijan P, Naziri M, Eghbali A, **Bagheri B***. Efficacy of montelukast for prevention of upper respiratory tract infection in children: A randomized, placebo-controlled trial. *Pharmaceutical Sciences*.2020; 26(2):193-197.
14. Eghbali A, SiavashanVR, **Bagheri B***, Rahimi Afzal R. Impact of helicobacter pylori eradication in children with acute immune thrombocytopenia: a randomized controlled study. *Arch Pediatr Infect Dis*. 2019; 7(4):e90522.
15. Salarian S, Khosravi R, Khanbabei G, **Bagheri B***. Impact of oral clonidine on duration of opioid and benzodiazepine use in mechanically ventilated children: A randomized, double-blind, placebo-controlled study. *Iran J Pharm Res*. 2019;18: 2157-2162.
16. Eghbali A, Shokri P, Rahimi R, **Bagheri B***. A 1-Year Randomized trial of deferasirox alone *versus* deferasirox and deferoxamine combination for the treatment of iron overload in thalassemia major. *Transfus Apher Sci*. 2019; 58(4):429-433.
17. Eghbali A, Khalilpour A, Taherahmadi H, **Bagheri B***. Pantoprazole reduces serum ferritin in patients with thalassemia major and intermedia: A randomized, controlled study. *Therapies*. 2019;74(5):507-512.
18. Bagheri H, Sohrabi B, Salarian S, **Bagheri B***. Lipoglycopeptide antibiotics: reliable fighters against gram-positive pathogens. *Arch Clin Infect Dis*. 2018; 13(6):e59526.
19. Tajik P, Goudarzian A, Shadnoush M, **Bagheri B**. Effect of red sugar on functional constipation in children compared to figs syrup; a randomized controlled trial study. *Gastroenterol Hepatol Bed Bench*. 2018; 11(4):313-318.
20. Nguyen K, **Bagheri B**, Bagheri H. Drug-induced bone loss: a major safety concern in Europe. *Expert Opin Drug Saf*. 2018; 17:1005–1014.
21. Salarian S, Mirrahimi B, **Bagheri B***. The rate of self-extubation in pediatric intensive care unit following administration of fentanyl, midazolam and midazolam-fentanyl combination: A comparative study. *Int J Pediatr* 2018; 6(1): 6971-76.

22. Salarian S, Mir Rahimi B, Taherkhanchi B, **Bagheri B***. Evaluation of guidelines and risk factors for venous thrombosis and pulmonary embolism in hospitalized children: A Cross-Sectional Study. *Iran J Ped Hematol Oncol*. 2018; 8:48-53.
23. Eghbali A, Kazemi H, Taherahmadi H, Ghandi Y, Rafiei M, **Bagheri B***. A randomized, controlled study evaluating effects of amlodipine addition to chelators to reduce iron loading in patients with thalassemia major. *European Journal of Hematology*. 2017; 99:577-581.
24. Eghbali A, Hajiani S, Sadeghi Sedeh B, Pakniyat A, Mansouri V, **Bagheri B***. A 24-week treatment of pediatric hemangioma with oral propranolol. *Iranian Journal of Pharmaceutical Research*. 2017; 16:808-813.
25. **Bagheri B**, Pourbalhtyaran E, Talebi F, Taherkhanchi B, Salarian S, Sadeghi A. Rapid-onset obesity with hypothalamic dysfunction, hypoventilation, and autonomic dysregulation (ROHHAD) syndrome: a case report. *Arch Ped Inf Dis*. 2016; e38351.
26. Eghbali A, Melikouf L, **Bagheri B***, Taherahmadi H. Efficacy of tranexamic acid for the prevention of bleeding in patients with von Willebrand disease and Glanzmann thrombasthenia: a controlled, before and after trial. *Hemophilia*. 2016; 22:e423–e426.
27. Garjani A, Andalib S, Sohrabi B, **Bagheri B***, Taherkhanchi B, Movassaghour A. Thrombolytic therapy up-regulates inflammatory mediators compared to percutaneous coronary intervention (PCI). *Iran J Allergy Asthma Immunol*. 2016; 14(4):257-263.
28. Eghbali A, Azadmanesh P, **Bagheri B***, Taherahmadi H, Sadeghi B. Comparison between IV immune globulin (IVIG) and anti-D globulin for treatment of immune thrombocytopenia: a randomized open-label study. **Fundam Clin Pharmacol**. 2016; 30:385-389.
29. Darban M, **Bagheri B***. Drug Reaction with eosinophilia and systemic symptoms induced by valproic acid: a case report. *Iran Red Crescent Med J*. 2016 September; 18(9):e36825.
30. Salarian S, Taherkhanchi B, Dabbagh A, Darban M, **Bagheri B***. Dexmedetomidine mechanism of action: an update. *J Cell Mol Anesth*. 2016; 1(2): 91-94.
31. Eghbali A, Taherkhanchi B, **Bagheri B**, Sadeghi B. Effect of chewing gum on oral mucositis in children undergoing chemotherapy: a randomized controlled study. *Iran J Ped Hematol Oncol*. 2016;1(1):10-14.
32. **Bagheri B**, Razavi S, Gohari A, Salarian S, Dabbagh A. Toll-like receptor 4 in ventilator-induced lung injury: mechanism of disease. *J Cell Mol Anesth*. 2016; 1(1): 34-39.

33. Eghbali A, Sabbagh A, **Bagheri B***, Taherahmadi H, Kahbazi M. Efficacy of nebulized L-epinephrine for treatment of croup: A randomized, double-blind study. *Fundam Clin Pharmacol*. 2016; 30:70-75.
34. Shokri M, **Bagheri B**, Sohrabi B, Garjani A, Movassaghpour A. Everolimus eluting stents reduce monocyte expression of Toll-like receptor 4. *Adv Pharm Bul*. 2015; 5(Suppl 1): 643-647.
35. Eghbali A, Taherahmadi H, Shahbazi M, **Bagheri B**, Ebrahimi L. Association between serum ferritin level and diastolic cardiac function in patients with major β -thalassemia. *Iran J Ped Hematol Oncol*. 2015;5(2):83-88.
36. Salarian S, Fathi M, Farzanegan B, **Bagheri B***. Efficacy and safety of sufentanil and pethidine in spinal anesthesia for painless labor. *Drug Res*. 2014; 64: 1–3.
37. Eghbali A, Taherahmadi H, Shahbazi M, **Bagheri B**, Ebrahimi L. Association between serum ferritin level, cardiac and hepatic T2-star MRI in patients with major β -thalassemia. *Iran J Ped Hematol Oncol*. 2014; 4:17-21.
38. **Bagheri B**, et al. Hydrocortisone reduces Toll-like receptor 4 expression on peripheral CD14⁺ monocytes in patients undergoing percutaneous coronary intervention. *Iranian Biomedical Journal*. 2014; 18 (2):76-81.
39. **Bagheri B**, et al. Association of monocyte expression of Toll-like receptor 4 and its related cytokines with coronary luminal stenosis. *Advances in Bioscience and Biotechnology*. 2013;4:19-25.
40. Fadaii A, Taherkhanchi B, Koohi-Kamali H, Amin Imani F, **Bagheri B**. Prevalence of pulmonary hypertension in patients undergoing hemodialysis. *Iran J Kidney Dis*. 2013; 7(1):60-3.
41. **Bagheri B**, et al. Monocyte Expression of Toll-like Receptor-4 in Patients with Stable Angina Undergoing Percutaneous Coronary Intervention. *Iran J Immunol*. 2012; 9(3):149-58.
42. Fadaii A, Sadat Amini S, Taherkhanchi B, **Bagheri B**. Assessment of rapid shallow breathing index as a predictor for weaning in respiratory care unit. *Tanaffos*. 2012; 11(3): 28-31.
43. Fadaii A, Sohrabpour H, **Bagheri B**, Taherkhanchi B. Association between COPD assessment test (cat) and disease severity based on reduction of respiratory volumes in chemical warfare victims. *Tanaffos*. 2011; 10 (4): 38-42.

Presentations

1. Dabigatran versus warfarin in paediatric thromboembolism. 10th Emirates Cardiac Society Conference with ACC Middle East Conference, Dubai, UAE. 2019: Poster presentation
2. Anti-inflammatory activity of *Lactobacillus paracasei* in rats with heart failure. 15th international immunology congress, Iran, Tehran. 2018: Oral presentation

3. Effect of thrombolytic therapy and PCI on monocyte expression of TLR4. 84th congress of European Atherosclerosis Society (EAS), Innsbruck, Austria. 2016: Poster presentation
4. Everolimus eluting stents reduce monocyte expression of Toll-like receptor 4. 17th international symposium on atherosclerosis, Amsterdam, Holland. 2015: Poster presentation
5. Sedative and analgesic efficacy of gabapentin in eye surgery. 1st international congress of pain, Tehran, Iran. 2015: Oral presentation
6. Hydrocortisone reduces Toll-like receptor 4 expression on peripheral CD14⁺ monocytes in patients undergoing percutaneous coronary intervention: 12th international immunology congress, Iran, Tehran. 2014: Oral presentation
7. Effects of chewing gum on prevention of oral mucositis in patients undergoing chemotherapy: 12th international immunology congress, Iran, Tehran. 2014: Poster presentation
8. Relationship between RDW and infection in patients undergoing heart surgery: 12th international immunology congress, Iran, Tehran. 2014: Poster presentation
9. Comparative study between sufentanil and pethidine in saddle spinal block for painless labor. 2nd basic and clinical neuroscience congress, Iran, Tehran. 2013: Poster presentation
10. Monocyte Toll-like receptor 4 response following PCI (Percutaneous Coronary Intervention): World congress of cardiology, UAE, Dubai. 2012: Poster presentation
11. Monocyte Toll-like receptor 4 expression and its association with TNF- α in patients undergo PCI (Percutaneous Coronary Intervention). 11th international immunology congress, Iran, Tehran. 2012: Poster presentation
12. Expansion of circulating Toll-like receptor 4⁺ monocytes in patients with stable angina. 11th international immunology congress, Iran, Tehran, 2012: Poster presentation

Service activities

- | | |
|--------------|--|
| 2010-present | Journal Reviewer: ESC Heart Failure, Scientific Reports, Expert Opinion on Drug Safety, Frontiers in Pharmacology, BMC Anesthesiology, ... |
| 2013-2019 | Director of Student Research Committee- SEMUMS |
| 2016-present | Chief of Pharmacology Department- SEMUMS |
| 2019-2022 | Director of Medical Information and Research Network - SEMUMS |
| 2020-present | Associate Editor, Middle East Journal of Rehabilitation and Health Studies |

Supervised theses

1. MD: Comparison between molasses and PEG 3350 for treatment of childhood functional constipation: a randomized trial

2. DVM: Effect of probiotics on inflammatory markers in rats with heart failure
3. Internal medicine (residency): Comparison between effects of atorvastatin and rosuvastatin on lipid profile and inflammation in patients with coronary artery disease referred to Semnan Kowsar Hospital
4. Pharm D: effect of statins on serum levels of chemokines in patients with heart failure

Lecturing in CME Courses

1. Pharmacotherapy of diabetes (2014)
2. Pharmacotherapy of ischemic heart disease (2014)
3. Pharmacotherapy of infertility (2015)
4. Rational use of antibiotics (2016)
5. Drug interactions (2017)
6. Pharmacotherapy of asthma and COPD (2018)
7. Pharmacotherapy of ischemic heart disease and hypertension (2019)
8. Rational use of antibiotics (2020)
9. Pharmacotherapy of hypertension and heart failure (2021)
10. Pharmacology and and pharmacotherapy of diabetes (2022)

Grants/Awards

1. Top Researcher of Medicine School (2016)
2. Top Researcher of Medicine School (2017)
3. Top Researcher of University (2019)
4. Research Grant of European Society of Cardiology (ESC 2020)

Membership in Scientific Associations

- | | |
|--|--------------|
| 1. European Atherosclerosis Society | 2012-present |
| 2. International Society of Cardiovascular Pharmacotherapy | 2012-present |
| 4. British Pharmacological Society | 2013-present |
| 5. European Association of Clinical Pharmacology and Therapeutics | 2016-present |
| 6. Cochrane Hypertension Group | 2018-present |
| 7. European Society of Cardiology
(Working Group on Cardiovascular pharmacotherapy) | 2020-present |