



Mohammad Sistanizad

Date of Birth: Jan 26, 1981

Citizenship: Iran

Education:

- Sep 2004-Feb 2010 Clinical Pharmacy Residency- Tehran University of Medical Sciences and related teaching hospitals, Iran
 - Thesis: Studying polymorphisms of N-Acetyl Transferase-2 in tuberculosis patients
- Sep 1998- Feb 2004 Pharm. D., School of Pharmacy, Tabriz University of Medical Sciences, Iran
 - Thesis: Evaluation of in vitro-in vivo correlation and anticonvulsive effect of carbamazepine after cogrinding with microcrystalline cellulose
- Seven-month scholarship program as Honorary Research Associate in the University of Tasmania and Royal Hobart Hospital: July 2009- January 2010

Current Positions:

Academic:

- Tentative Faculty member, Department of Clinical Pharmacy, Faculty of Pharmacy, Shahid Beheshti University of Medical Sciences, Tehran, Iran. October 2010 to August 2021.
- Full-time Clinical Pharmacy Professor, Department of Clinical Pharmacy, Faculty of Pharmacy, Shahid Beheshti University of Medical Sciences, Tehran, Iran. Since August 2021.

Administrative:

- Academic editor of “Canadian Journal of Infectious Diseases and Medical Microbiology” which is an international quality health journal, since 2020
- The Deputy for Research Affairs of the “Prevention of Cardiovascular Disease Research Center”, since 2020
- Person In-Charge of the Clean Room for preparation of chemotherapy medicines which is the first and sole clean room among 19 hospitals affiliated to the university since 2021
- Head of Pharmaceutical care unit of Imam Hossein Medical, Educational & Health Center, since 2021

Memberships:

- Member of Iranian Society of Clinical Pharmacists
- Registered pharmacist in Iran
- Member of the Scientific Committee for Hospital Formulary Compilation at the Deputy for Food & Drug, since 2014
- Member of the Antimicrobial Stewardship Committee, Imam Hossein Hospital, SBMU: Since 2013
- Member of “National scientific committee for the prevention and control of hospital infection and the rational use of antibiotics” since 2023

Publications:

I have more than 100 publications in peer-reviewed journals. Below is a list of some of my most significant publications since the year 2020. A complete list of my publications can be found on my Scholar. Google Citations profile. Google Citations

(http://citations.google.com/citations?hl=en&user=xZV5IrMAAAAJ&view_op=list_works&sortby=pubdate).

1. Rakhshan A, Farahbakhsh N, Khanbabaee G, Tabatabaee SA, Sadr S, Hassanzad M, **Sistanizad M**, Dastan F, Hajipour M, Bahadori AR. Evaluating the efficacy of inhaled amikacin as an adjunct to intravenous



- combination therapy (ceftazidime and amikacin) in pediatric cystic fibrosis pulmonary exacerbation. *Frontiers in Pharmacology* 2023;14
2. **Sistanizad M**, Hassanpour R, Pourheidar E. Are Antibiotics Appropriately Dosed in Critically Ill Patients with Augmented Renal Clearance? A Narrative Review. *International Journal of Clinical Practice* 2022;2022
 3. Kharazmi AB, Moradi O, Haghighi M, Kouchek M, Manafi-Rasi A, Raoufi M, Shoaei SD, Hadavand F, Nabavi M, Miri MM, **Sistanizad M**. A randomized controlled clinical trial on efficacy and safety of anakinra in patients with severe COVID-19. *Immunity, Inflammation and Disease* 2022;10:201-208
 4. Afshar S, Abbasnazari M, Amin G, Farrokhian A, **Sistanizad M**, Afshar F, Khalili S. Endocannabinoids and related compounds as modulators of angiogenesis: Concepts and clinical significance. *Cell Biochemistry and Function* 2022;40:826-837
 5. **Sistanizad M**, Kouchek M, Miri M, Salarian S, Shojaei S, Vasegh FM, Kafshgari HS, Qobadighadikolaie R. High dose vitamin D improves total serum antioxidant capacity and ICU outcome in critically ill patients-A randomized, double-blind clinical trial. *European Journal of Integrative Medicine* 2021;42:101271
 6. Moghadam NB, Pourheidar E, Ahmadpour F, Kafi H, Salamzadeh J, Nasiri S, **Sistanizad M**. The effects of memantine on the serum concentrations of matrix metalloproteinases and neurologic function of patients with ischemic stroke. *Journal of Clinical Neuroscience* 2021;90:268-272
 7. Khalili S, Moradi O, Kharazmi AB, Raoufi M, **Sistanizad M**, Shariat M. Comparison of mortality rate and severity of pulmonary involvement in coronavirus Disease-2019 adult patients with and without type 2 diabetes: a cohort study. *Canadian Journal of Diabetes* 2021;45:524-530
 8. Hassanpour R, Ziaie S, Kobarfard F, Kouchek M, Miri M, Ahmadi Koomleh A, Shojaei S, Salarian S, Pourheidar E, Nezarat F. **Sistanizad M**. Evaluation of pharmacokinetic and pharmacodynamic parameters of meropenem in critically ill patients with acute kidney disease. *European Journal of Clinical Pharmacology* 2021;77:831-840
 9. Haji Aghajani M, Moradi O, Azhdari Tehrani H, Amini H, Pourheidar E, Hatami F, Rabiei MM, **Sistanizad M**. Promising effects of atorvastatin on mortality and need for mechanical ventilation in patients with severe COVID-19; a retrospective cohort study. *International Journal of Clinical Practice* 2021;75:e14434
 10. Haji Aghajani M, Moradi O, Amini H, Azhdari Tehrani H, Pourheidar E, Rabiei MM, **Sistanizad M**. Decreased in-hospital mortality associated with aspirin administration in hospitalized patients due to severe COVID-19. *Journal of Medical Virology* 2021;93:5390-5395
 11. Mokhtari M, Farasatinasab M, Jafarpour Machian M, Yaseri M, Ghorbani M, Ramak Hashemi SM, Nikoobakht M, Golchin N, Mohammadi G, **Sistanizad M**. Aripiprazole for prevention of delirium in the neurosurgical intensive care unit: a double-blind, randomized, placebo-controlled study. *European Journal of Clinical Pharmacology* 2020;76:491-499
 12. Ghazaein M, Mokhtari M, Kouchek M, Miri M-M, Goharani R, **Sistanizad M**. A Comparative Study of High-Dose Colistin Administration for the Management of Multidrug-Resistant Gram-Negative Infections in the ICU. *Canadian Journal of Infectious Diseases and Medical Microbiology* 2020;2020:1-8

Chapters in Books:

1. Sistanizad M, Modarresi A., Hassanpour, R, Barati S., "Drug hypersensitivity" in *Comprehensive therapeutic textbook*, edited by Gholami K and Mojrahdzadeh M, Abadis Teb, 2018
2. Sistanizad M, Miroliaee AE., Farrokhian A., "Fluid and electrolyte disorders" in *Comprehensive therapeutic textbook*, edited by Gholami K and Mojrahdzadeh M, Abadis Teb, 2018
3. Sistanizad M, H.Talasz A., Eshraghi A., Hashempour MM., "Acid-base disorders" in *Comprehensive therapeutic textbook*, edited by Gholami K and Mojrahdzadeh M, Abadis Teb, 2018
4. Sistanizad M, Foroughinia F., Pourheidar E., Mosaed R., "Pain management" in *Comprehensive therapeutic textbook*, edited by Gholami K and Mojrahdzadeh M, Abadis Teb, 2018

Grants & Fundings:

Number of grants as principle investigator (PI): 26

Registered RCTs:



1. Comparison of Pregabalin and Sodium Valproate on prophylaxis of migraine type headache: IRCT2012070310178N1
2. Comparison of neuroprotective effects of Memantine-Atorvastatin combination regimen with Atorvastatin in patients with ischemic stroke: IRCT2012092910178N2
3. The impact of adding clonidine in total sedative agents use in mechanically ventilated patients in the intensive care unit: A prospective, randomized, double blind study: IRCT2012102910178N3
4. Neuroprotective effects of memantine in patients with traumatic brain injury: IRCT2013022610178N4
5. Neuroprotective effect of atorvastatin in patient with traumatic brain injury: IRCT2013041910178N5
6. Effect of glycemic control by insulin sliding scale protocol versus continuous insulin infusion on malondialdehyde (MDA) and protein carbonyl (PCO) in non-diabetic hyperglycemia patients in ICU: IRCT2014050810178N6
7. Once versus thrice daily regimens of Colistin treatment in critically ill patients with MDR infections: IRCT2014062510178N7
8. Comparison of the efficacy of prophylaxis with Atorvastatin versus Sodium Valproate on intensity and frequency of migraine type headache in Iranian patients: IRCT2014092410178N8
9. Comparison of Anti Xa Activity of Rolexan Versus Clexane in critically ill patients with prophylactic doses: IRCT2016031910178N9
10. Comparative bioequivalence study of two sustained release Triptorelin vials manufactured by Ronak Darou and IPSEN in patients with prostate cancer based on biologic response (serum PSA and Testosterone levels): IRCT2016090410178N10
11. Evaluating the effect of aripiprazole as add on therapy for delirium prophylaxis in patients admitted to the intensive care unit: IRCT2017011810178N12
12. Comparison of the Effectiveness of High-protein Nutritional regimes with Normal regimes on Neuronal Bio-markers and Clinical Outcome of Neurocritical Patients: IRCT20120703010178N14
13. Comparison of safety and effectiveness of Levofloxacin/Colistin regimen with Levofloxacin/high dose Ampicillin-sulbactam infusion in treatment of Ventilator-Associated Pneumonia due to multi drug resistant Acinetobacter: IRCT20120703010178N15
14. Evaluation of vitamin D effect on duration of mechanical ventilation and Total Antioxidant Capacity (TAC) in ICU admitted patients: IRCT20120703010178N16
15. Evaluating the effectiveness of a herbal product (Fenosha) as add-on therapy in uncontrolled epileptic patients: a randomized, double blinded, placebo controlled study: IRCT20120703010178N17
16. The efficacy and safety of intravenous colistin plus nebulized colistin against intravenous ampicillin-sulbactam plus nebulized colistin in treating ventilator associated pneumonia caused by Acinetobacter baumannii: IRCT20120703010178N18
17. Evaluation of prevalence of Augmented renal clearance (ARC) and serum concentration of Meropenem with two different dosing regimens in critically ill patients: IRCT20120703010178N19
18. Evaluation of Safety and efficacy of anakinra utilization in COVID-19, a randomized controlled clinical trial: IRCT20120703010178N20
19. Investigation of colchicine effect on the post-pericardiotomy syndrome alleviation: a randomized, double blinded, placebo controlled study: IRCT20120703010178N21
20. A Randomized, Multi-centric, Double-blind, Placebo-controlled study to Evaluate the Efficacy and Safety of Bromhexine, a serine protease (TMPRSS2) blocker, to prevent COVID-19: IRCT20120703010178N22
21. The effect of vitamin D3 supplementation on AKI risk in multiple trauma patients admitted to ICU with elevated CPK level: IRCT20120703010178N23
22. Effect of high dose vitamin D on serum Neuron Specific Enolase (NSE) level as a marker of neuronal damage in patients with ischemic stroke: IRCT20120703010178N24
23. Efficacy and safety of Interferon beta-1-a in the management of the outpatients with mild to moderate COVID-19: A preliminary study: IRCT20120703010178N25

News Released:

[Alzheimer's Drug May Be Neuroprotective in TBI - Medscape](#)



Awards Received:

- 1) Selected as best Iranian Pharmacy Student of the Year, 2002-2003
- 2) One of the 100 successful students who were chosen by IR Health Ministry and Ministry of Science, Research and Technology, 2003.
- 3) First Place in 9th Iranian Pharmacy Students Seminar, Tabriz, 2003.
- 4) First Place in 5th Iran clinical pharmacy board exam, 2008.
- 5) First Place (poster presentation section) in 3rd Iranian Clinical Pharmacy Congress, 11-13 may, 2012
- 6) Excellent researcher of Imam Hossein Medical, Educational & Health Center (2011)
- 7) Excellent Faculty Member of the Year (2014)

Interests and Abilities:

- Clinical Trial, designing, registration and leadership
- Antimicrobial Stewardship Programs
- Pharmacotherapy of ICU
- Pharmacotherapy of infectious disease
- Improving adherence and medication use
- Computer Sciences: MS Office, SPSS, EndNote®