



Hossein Karballaei Mirzahosseini

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Date of Birth:1985

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Educational History

PharmD course: Islamic Azad University - Pharmaceutical Sciences Branch (IAUPS);2010-2016

clinical pharmacy residency: Tehran University of Medical Sciences(tums) 2016-2022

clinical pharmacy residency thesis topic; Pharmacokinetic study of high-dose oral rifampicin in critically ill patients with multidrug-resistant Acinetobacter baumannii infection

clinical pharmacy fellowship: Tehran University of Medical Sciences(tums).2022-2024

## Research Interests

antimicrobial resistance biofilm / Pharmacokinetics/ case report

## Publications:

### Articles:

- 1-Karballaei **Mirzahosseini H**, Hadadi-Fishani M, Morshedi K, Khaledi A. Meta-analysis of biofilm formation, antibiotic resistance pattern, and biofilm-related genes in *Pseudomonas aeruginosa* isolated from clinical samples. *Microbial Drug Resistance*. 2020 Jul 1;26(7):815-24.
- 2- Garousi M, Tabar SM, **Mirazi H**, Asgari P, Sabeghi P, Salehi A, Khaledi A, Sanani MG, **Mirzahosseini HK**. A global systematic review and meta-analysis on correlation between biofilm producers and non-biofilm producers with antibiotic resistance in Uropathogenic *Escherichia coli*. *Microbial Pathogenesis*. 2022 Mar 1;164:105412.
- 3- **Mirzahosseini HK**, Najmeddin F, Najafi A, Ahmadi A, Sharifnia H, Khaledi A, Mojtahedzadeh M. Correlation of biofilm formation, virulence factors, and phylogenetic groups among *Escherichia coli* strains causing urinary tract infection: A global systematic review and meta-analysis. *Journal of Research in Medical Sciences*. 2023 Aug 1;28(1):66.
- 4- **Karballaei Mirzahosseini H**, Sheikhi M, Najmeddin F, Shirangi M, Mojtahedzadeh M. 3D self-assembled nanocarriers for drug delivery. *Drug Metabolism Reviews*. 2023 Apr 3;55(1-2):140-62.
- 5- **Karballaei-Mirzahosseini H**, Kaveh-Ahangaran R, Shahrami B, Rouini MR, Najafi A, Ahmadi A, Sadrai S, Mojtahedzadeh A, Najmeddin F, Mojtahedzadeh M. Pharmacokinetic study of high-dose oral rifampicin in critically ill patients with multidrug-resistant *Acinetobacter baumannii* infection. *DARU Journal of Pharmaceutical Sciences*. 2022 Dec;30(2):311-22.
- 6- **Mirzahosseini HK**, Sanani MG, Azad YM. Evaluation of the effects of atomoxetine on human organs: A systematic review. *Journal of Pharmaceutical Research International*. 2019 Nov 7;31(3):1-8.

- 7- **Mirzahosseini HK**, Yousefi-Mazhin E, Hassanpour R, Najafi A, Tofighi-Mohammadi M, Sharifnia H, Mojtahedzadeh A, Mojtahedzadeh M. Sepsis Management In A Case Of Myasthenic Crisis: A Case Report. Archives of Anesthesiology and Critical Care. 2024 Jul 31.
- 8- Yousefi-Mazhin E, Karballaei-**Mirzahosseini H**, Sharifnia H, Najafi A, Najmeddin F, Tofighi-Mohammadi M, Hassanpour R, Mojtahedzadeh M. Familial Hypokalemic Periodic Paralysis Attack Following SARS-Cov-2 Infection: A Case Report. Archives of Anesthesiology and Critical Care. 2024 Jan 29.
- 9- Yousefi-Mazhin E, Mojtahedzadeh M, **Karballaei-Mirzahosseini H**, Hassanpour R, Sharifnia H, Najmeddin F, Ameli A, Khadem-Abbasi MJ, Fotouhi M, Etezadi F, Khajavi MR. Successful Treatment of Pulmonary Embolism Causing Cardiac Arrests with Reteplase during Neurosurgery: A Case Report. Archives of Anesthesiology and Critical Care. 2024 Jan 27.
- 10- Mojtahedzadeh M, Najmeddin F, Pourheidar E, Najafi A, Bahman R, Yousefi-Mazhin E, **Karballaei-Mirzahosseini H**, Hassanpour R. Intra-gastric Botulinum Toxin Injection and Botulism: An Alarm for Clinicians. Case Reports in Critical Care. 2024;2024(1):8183127.
- 11- **Mirzahosseini HK**, Najmeddin F, Mojtahedzadeh M. A Review Article on the Effectiveness of Rifampin in the Treatment of Staphylococcal Meningitis. Archives of Pharmacy Practice. 2020;11(1-2020):162-8.

Committees and Councils Membership:  
Iranian Society of Clinical Pharmacists