

# Alireza Sadeghi

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MD | MPH

- **General practitioner, researcher, computer programmer, and data scientist** at Shiraz University of Medical Sciences, Shiraz, Iran.
- Extremely interested in **reproducible research, data science, epidemiology, clinical research design, machine learning, and R programming**.

<a href="#">Google Scholar</a>	<a href="#">LinkedIn</a>	<a href="#">GitHub</a>	<a href="#">ORCID</a>	<a href="#">ResearchGate</a>
<a href="#">Online resume</a>				

## Skills & Qualifications

- **Analysis:** correlations · regression · diagnostics · survival · data wrangling · data science
- **Software & Programming:** R · Stata · SPSS · Quarto · Prezi · GraphPad · NCSS/PASS · MS Word · MS PowerPoint · MS Excel · MS Sway · Adobe Photoshop · Illustrator · Affinity Designer · LaTeX · MS Visio
- **Epidemiology:** trials · cohorts · case-controls · case-cohort · nested case-controls · diagnostic test accuracy · causality inference · research leadership

## Education

- MD | 2015 – 2022 | *Shiraz University of Medical Sciences*
- MPH | 2023 – ongoing | *Shiraz University of Medical Sciences*

## Work History

- Editorial Member | 2024 – ongoing | *PLOS ONE*
- General Practitioner | 2022 – ongoing | *Shiraz University of Medical Sciences*
- Medical Intern | 2020 – 2022 | *Shiraz University of Medical Sciences*

- Clinical Researcher | 2022 – ongoing | Shiraz University of Medical Sciences

## Publications

- [1] Endovascular therapy for acute stroke with a large infarct core: A systematic review and meta-analysis · 10.1016/j.jstrokecerebrovasdis.2023.107427  
Journal of Stroke and Cerebrovascular Diseases · 2023
- [2] Massive pulmonary embolism post sleeve gastrectomy treated with systemic thrombolytic: A case report · 10.1002/ccr3.8211  
Clinical Case Reports · 2023 **Corresponding author**
- [3] Correspondence on “Salivary biomarkers in breast cancer diagnosis: A systematic review and diagnostic meta-analysis” · 10.1002/cam4.6353  
Cancer Medicine · 2023 **Corresponding author**
- [4] Early Morning Cortisol Level as a Predictive Factor for Long-Term Glucocorticoid Replacement After Pituitary Surgery: A Systematic Review and Meta-Analysis · 10.1016/j.wneu.2023.05.029  
World Neurosurgery · 2023
- [5] Global prevalence of Helicobacter pylori infection among individuals with obesity: A protocol for a systematic review and meta-analysis · 10.1002/hsr2.1505  
Health Science Reports · 2023 **First & corresponding author**
- [6] Prevalence of body dysmorphic disorder in rhinoplasty candidates: A systematic review and meta-analysis · 10.1002/hsr2.1495  
Health Science Reports · 2023 **Corresponding author**
- [7] E-275 Endovascular therapy for acute stroke with a large ischemic region: a systematic review and meta-analysis · 10.1136/jnis-2023-snis.374  
Journal of NeuroInterventional Surgery · 2023
- [8] Protective effects of melatonin against oxidative stress induced by metabolic disorders in the male reproductive system: a systematic review and meta-analysis of rodent models · 10.3389/fendo.2023.1202560  
Frontiers in Endocrinology · 2023 **Co-first author**

- [9] Effects of L-arginine supplementation in patients with sickle cell disease: A systematic review and meta-analysis of clinical trials · 10.1002/hsr2.1167  
Health Science Reports · 2023 **First author**
- [10] Protective effects of melatonin against physical injuries to testicular tissue: A systematic review and meta-analysis of animal models · 10.3389/fendo.2023.1123999  
Frontiers in Endocrinology · 2023 **Co-first author**
- [11] Protective effects of melatonin against the toxic effects of environmental pollutants and heavy metals on testicular tissue: A systematic review and meta-analysis of animal studies · 10.3389/fendo.2023.1119553  
Frontiers in Endocrinology · 2023 **Co-first author**
- [12] Correspondence on "Prognostic significance of complement factors in severely ill patients with COVID-19" · 10.1177/10815589221150645  
Journal of Investigative Medicine · 2023 **First author**
- [13] Conduction system disorders and electrocardiographic findings in COVID-19 deceased patients in 2021, Shiraz, Iran · 10.4330/wjc.v14.i12.617  
World Journal of Cardiology · 2022 **Lead author (thesis)**
- [14] The Efficacy of Ivermectin and Metronidazole vs. Standard Treatment Protocols on Outcomes of COVID-19 in Hospitalized Patients: A Triple-Blinded Randomized Controlled Trial · 10.5812/archcid-122525  
Archives of Clinical Infectious Diseases · 2022
- [15] Driving restrictions in patients with seizures; a review of the regulations from the English-speaking nations · 10.1016/j.yebeh.2022.108888  
Epilepsy & Behavior · 2022
- [16] Protective effects of exogenous melatonin therapy against oxidative stress to male reproductive tissue caused by anti-cancer chemical and radiation therapy: a systematic review and meta-analysis of animal studies · 10.3389/fendo.2023.1184745  
Frontiers in Endocrinology · 2023 **Senior author**
- [17] ECG Prediction of Mortality in COVID-19 Patients by Sokolow-Lyon Voltage · 10.5812/semj-128688

Shiraz E-Medical Journal · 2022

**Lead author (thesis)**

- [18] Global incidence of intrahepatic cholestasis of pregnancy: A protocol for systematic review and meta-analysis · 10.1002/hsr2.1901

Health Science Reports · 2024

**First & corresponding author**

- [19] Electrocardiographic abnormalities in patients with sickle cell disease: A systematic review and meta-analysis · 10.1002/pbc.30916

Pediatric Blood & Cancer · 2024

**Corresponding author**

- [20] Machine-learning algorithms in screening for type 2 diabetes mellitus: Data from Fasa Adults Cohort Study · 10.1002/edm2.472

Endocrinology, Diabetes & Metabolism · 2024

- [21] Estimates of global and regional prevalence of Helicobacter pylori infection among individuals with obesity: a systematic review and meta-analysis · 10.1007/s15010-024-02244-7

Infection · 2024

**First & corresponding author**

## **Peer-reviews**

More than 20 peer-reviews for

- PLOS ONE
- Health Science Reports
- Annals of Medicine and Surgery
- International Journal of Surgery Open