

Alireza Sadeghi



MD | MPH

General practitioner and researcher at Shiraz University of Medical Sciences, Shiraz, Iran.
Extremely interested in reproducible science, clinical data science, epidemiology, research design, clinical research, and computer programming.

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[Google Scholar](#) [ORCID](#) [Linkedin](#) [Github](#) [ResearchGate](#) [Download Resume \(PDF\)](#)

Skills & Qualifications

✓ Analysis

correlations · regression · diagnostics · survival · data science · machine-learning

✓ Software

R · Shiny apps · Stata · Quarto · HTML · CSS · SPSS · Prezi · GraphPad · NCSS/PASS
· MS Word · MS PowerPoint · MS Excel · Adobe Photoshop · Adobe Illustrator ·
Affinity Designer · LaTeX · MS Visio

✓ Epidemiology

trials · cohorts · case-controls · case-cohort · nested case-controls ·
diagnostic test accuracy · causality inference · research leadership

Passions

R programming

visualization and graphical design

machine-learning

data science

epidemiology

reproducible science

health research methodology

computer and technology

family and friends

Work History

✓ Editorial Member

PLOS ONE

2024 - Present

✓ General Practitioner

Shiraz University of Medical Sciences

2022 - Present

✓ Medical Intern

Shiraz University of Medical Sciences

2020 - 2022

✓ Clinical Researcher

Shiraz University of Medical Sciences

2022 - Present

Education

 Doctor of medicine

Shiraz University of Medical Sciences

2015 - 2022

 Master of public health (health policy)

Shiraz University of Medical Sciences

2023 - Present

Peer-Reviews

More than 20 peer-reviews for

PLOS ONE

Annals of Medicine and Surgery

Health Science Reports

International Journal of Surgery Open

Cureus

Publications

[1] Endovascular therapy for acute stroke with a large infarct core: A systematic review and meta-analysis

- [2] Massive pulmonary embolism post sleeve gastrectomy treated with systemic thrombolytic: A case report

Clinical Case Reports · 2023

Corresponding author

- [3] Correspondence on "Salivary biomarkers in breast cancer diagnosis: A systematic review and diagnostic meta-analysis"

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

World Neurosurgery · 2023

- [5] Global prevalence of Helicobacter pylori infection among individuals with obesity: A protocol for a systematic review and meta-analysis

Health Science Reports · 2023

First & corresponding author

- [6] Prevalence of body dysmorphic disorder in rhinoplasty candidates: A systematic review and meta-analysis

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

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

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

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

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

Frontiers in Endocrinology · 2023

Co-first author

[12] Correspondence on "Prognostic significance of complement factors in severely ill patients with COVID-19"

Journal of Investigative Medicine · 2023

First author

[13] Conduction system disorders and electrocardiographic findings in COVID-19 deceased patients in 2021, Shiraz, Iran

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

Archives of Clinical Infectious Diseases · 2022

[15] Driving restrictions in patients with seizures; a review of the regulations from the English-speaking nations

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
Frontiers in Endocrinology · 2023

Senior author

[17] ECG Prediction of Mortality in COVID-19 Patients by Sokolow-Lyon Voltage
Shiraz E-Medical Journal · 2022

Lead author (thesis)

[18] Global incidence of intrahepatic cholestasis of pregnancy: A protocol for systematic review and meta-analysis
Health Science Reports · 2024

First & corresponding author

[19] Electrocardiographic abnormalities in patients with sickle cell disease: A systematic review and meta-analysis
Pediatric Blood & Cancer · 2024

Corresponding author

[20] Machine-learning algorithms in screening for type 2 diabetes mellitus: Data from Fasa Adults Cohort Study
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
Infection · 2024

First & corresponding author
