



# Omid Kohandel Gargari

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Tehran, Iran  
DoB: 1998-06-11

## Research-focused Curriculum Vitae

"I am a Medical Doctor and have been involved in research since my second year of medical school. My initial experience took place at the virology lab of Dr. Mozhgani, my Virology professor. Subsequently, I joined several research projects primarily focused on virology and gynecology,

I have directed my research toward my primary interests: Neurology and artificial intelligence. I am presently conducting research on headaches at the Headache Research Center, Sina Hospital, Tehran.

## Education

<b>Doctor of Medicine</b>	2016 - 2024
Institute/University: Alborz University of Medical sciences	
Karaj, Alborz, Iran	

## Work Experience

<b>Head of AI Department</b>	April 2023 - Present
Farzan Clinical Research Institute	
Tehran, Iran	
<ul style="list-style-type: none"><li>Lead cutting-edge research in generative AI and large language models (LLMs), secure international funding, and oversee health AI development projects. Manage and mentor AI teams, collaborate with cross-functional units. Drive innovation and strategy alignment for AI initiatives.</li></ul>	
<b>Headache Researcher</b>	May 2022 - Present
Headache research center, Tehran University of Medical Sciences	
Tehran, Iran	
<b>Research Manager</b>	December 2024 - Present
Epilepsy Long Term Monitoring Research Center	
Tehran, Iran	
<ul style="list-style-type: none"><li>My job here is to manage research projects and provide students new study subjects and thesis ideas.</li></ul>	

## Member of Research council

October 2019 - Present

Alborz University of Medical Sciences

Karaj, Alborz, Iran

- My job was to review and evaluate submitted research proposals.

## Scientific Researcher

December 2017 - Present

Alborz University of Medical Sciences

Karaj, Alborz, Iran

## Skills

IBM SPSS Statistics

Python

STATA

RevMan

Adobe Illustrator

Scientific writing

Machine learning

Leading

Teamwork

Systematic reviews

Meta-analysis

Medical Data Analysis

Scientific illustration (Vector)

## Language

English — — — — —

Persian — — — — —

Azerbaijani — — — — —

## Certificates

### Associate Member

2023

Institute: International Headache Society

### Introduction to Systematic Review and Meta- Analysis

June 2022

Institute: Johns Hopkins University (Coursera)

Link: <https://coursera.org/share/c7ea1a08004d3adbea87f8290686dbce>

### Supervised Machine Learning: Regression and Classification

May 2023

Institute: Stanford University (Coursera)

Link: [https://www.coursera.org/account/accomplishments/verify/XNMSTUJEXEQQ?](https://www.coursera.org/account/accomplishments/verify/XNMSTUJEXEQQ?utm_source=link&utm_medium=certificate&utm_content=cert_image&utm_campaign=sharing_cta&utm_product=course)

[utm\\_source=link&utm\\_medium=certificate&utm\\_content=cert\\_image&utm\\_campaign=sharing\\_cta&utm\\_product=course](https://www.coursera.org/account/accomplishments/verify/XNMSTUJEXEQQ?utm_source=link&utm_medium=certificate&utm_content=cert_image&utm_campaign=sharing_cta&utm_product=course)

### Communication Foundations

August 2022

Institute: LinkedIn

Link: [https://www.linkedin.com/learning/certificates/3e7cf5c9194fbdd630229acc383834c820f47aece6aeefa677e477505c28d54a?](https://www.linkedin.com/learning/certificates/3e7cf5c9194fbdd630229acc383834c820f47aece6aeefa677e477505c28d54a?lipi=urn%3Ali%3Apage%3Ad_flagship3_profile_view_base%3BUNeMn6q1QdS8d9fYFrYVGg%3D%3D)

[lipi=urn%3Ali%3Apage%3Ad\\_flagship3\\_profile\\_view\\_base%3BUNeMn6q1QdS8d9fYFrYVGg%3D%3D](https://www.linkedin.com/learning/certificates/3e7cf5c9194fbdd630229acc383834c820f47aece6aeefa677e477505c28d54a?lipi=urn%3Ali%3Apage%3Ad_flagship3_profile_view_base%3BUNeMn6q1QdS8d9fYFrYVGg%3D%3D)

## Understanding COVID-19 to Prepare for the Next Pandemic conference

April 2022

Institute: Springer Nature Group

Link: [https://drive.google.com/file/d/1TdjK\\_vTs3w6\\_IreSoChMolGSVclpmlz8/view?usp=sharing](https://drive.google.com/file/d/1TdjK_vTs3w6_IreSoChMolGSVclpmlz8/view?usp=sharing)

## Research

### Preventive Medications in Pediatric Migraine: A Network Meta-Analysis

2024

Publisher: JAMA Network Open

Link: <https://jamanetwork.com/journals/jamanetworkopen/fullarticle/2824677>

Impact Factor: 13.3

### Enhancing title and abstract screening for systematic reviews with GPT-3.5 turbo

2024

Publisher: BMJ Evidence-Based Medicine

Link: <https://ebm.bmj.com/content/ebmed/29/1/69.full.pdf>

Impact Factor: 9.8

### Developing comprehensive reporting guidelines for machine learning models using tabular data in medical research

2024

Publisher: Postgraduate Medical Journal

Link: <https://academic.oup.com/pmj/article-abstract/101/1192/174/7706518>

Single Authored

### EBV associated T-and NK-cell lymphoproliferative diseases: A comprehensive overview of clinical manifestations and novel therapeutic insights

February 2022

Publisher: Reviews in Medical Virology/WILEY

Link: <https://onlinelibrary.wiley.com/doi/abs/10.1002/rmv.2328>

Impact Factor: 11.03

### Ivermectin under scrutiny: a systematic review and meta-analysis of efficacy and possible sources of controversies in COVID-19 patients

June 2022

Publisher: Virology Journal/BMC

Link: <https://virologyj.biomedcentral.com/articles/10.1186/s12985-022-01829-8>

Impact Factor: 5.9

### Epstein-Barr virus and COVID-19

September 2022

Publisher: Journal of Medical Virology/WILEY

Link: <https://doi.org/10.1002/rmv.2328>

Impact Factor(2021): 20.7

**Efficacy and utility of antifibrinolytics in pediatric spine surgery: a systematic review and network meta-analysis**

2024

Publisher: Neurosurgical Review

Link: <https://link.springer.com/article/10.1007/s10143-024-02424-x>

**Comparative Analysis of Large Language Models in Psychiatry and Mental Health: A Focus on GPT, AYA, and Nemotron-3-8B**

2024

Publisher: Asian Journal of Psychiatry

Link: <https://pubmed.ncbi.nlm.nih.gov/39047354/>

**Maternal and neonatal complications, outcomes and possibility of vertical transmission in Iranian women with COVID-19**

September 2021

Publisher: Archives of Iranian Medicine

Link: <http://aimjournal.ir/Article/aim-22373>

Impact Factor: 3.1

**COVID-19 vaccination during pregnancy: a systematic review and meta-analysis**

January 2023

Publisher: Pregnancy and Childbirth/BMC

Link: <https://bmcpregnancychildbirth.biomedcentral.com/articles/10.1186/s12884-023-05374-2>

**Characteristics and comorbidities of patients with migraine without aura: insights from a cross-sectional study**

2024

Publisher: The Journal of Headache and Pain

Link: <https://thejournalofheadacheandpain.biomedcentral.com/articles/supplements/volume-25-supplement-1>

17th European Headache Congress (EHC)

**Clinical characteristics of migraine with and without aura: a comparative study**

2024

Publisher: The Journal of Headache and Pain

Link: <https://thejournalofheadacheandpain.biomedcentral.com/articles/supplements/volume-25-supplement-1>

17th European Headache Congress (EHC)

**Pharmacological management of pediatric migraines: a systematic review and network meta-analysis**

2024

Publisher: The Journal of Headache and Pain

Link: <https://thejournalofheadacheandpain.biomedcentral.com/articles/supplements/volume-25-supplement-1>

17th European Headache Congress (EHC)

●	<b>Prevalence of headaches in dialysis patients, a cross-sectional study</b>	2024
	Publisher: The Journal of Headache and Pain	
	Link: <a href="https://thejournalofheadacheandpain.biomedcentral.com/articles/supplements/volume-25-supplement-1">https://thejournalofheadacheandpain.biomedcentral.com/articles/supplements/volume-25-supplement-1</a>	
	17th European Headache Congress (EHC)	
●	<b>Glucose metabolism tests and recurrent pregnancy loss: evidence from a systematic review and meta-analysis</b>	January 2023
	Publisher: Diabetology & Metabolic Syndrome/BMC	
	Link: <a href="https://dmsjournal.biomedcentral.com/articles/10.1186/s13098-022-00973-z">https://dmsjournal.biomedcentral.com/articles/10.1186/s13098-022-00973-z</a>	
●	<b>Quality of Life in Breast Cancer Patients: A Systematic Review of the Qualitative Studies</b>	March 2023
	Publisher: Cancer Control/SAGE	
	Link: <a href="https://journals.sagepub.com/doi/abs/10.1177/10732748231168318">https://journals.sagepub.com/doi/abs/10.1177/10732748231168318</a>	
●	<b>The host immune responses to SARS-CoV-2 and therapeutic strategies in the treatment of COVID-19 cytokine storm</b>	2021
	Publisher: AIMS Allergy and Immunology	
	Link: <a href="https://www.aimspress.com/article/doi/10.3934/Allergy.2021018">https://www.aimspress.com/article/doi/10.3934/Allergy.2021018</a>	
●	<b>Standardized Assessment Framework for Evaluations of Large Language Models in Medicine (SAFE-LLM)</b>	2025
	Publisher: PrePrint	
	Link: <a href="https://www.preprints.org/frontend/manuscript/6ec80bf35079832c812a04951b9eafef/download_pub">https://www.preprints.org/frontend/manuscript/6ec80bf35079832c812a04951b9eafef/download_pub</a>	
●	<b>Postprandial hypoglycemia as a complication of bariatric and metabolic surgery: a comprehensive review of literature</b>	2024
	Publisher: Frontiers in Surgery	
	Link: <a href="https://pmc.ncbi.nlm.nih.gov/articles/PMC11564166/">https://pmc.ncbi.nlm.nih.gov/articles/PMC11564166/</a>	
●	<b>Psilocybin for major depressive disorder: An updated systematic review and meta-analysis of randomized clinical trials</b>	2024
	Publisher: Journal of Psychopharmacology	
	Link: <a href="https://journals.sagepub.com/doi/abs/10.1177/02698811241287542">https://journals.sagepub.com/doi/abs/10.1177/02698811241287542</a>	
●	<b>Diagnostic accuracy of large language models in psychiatry</b>	2024
	Publisher: Asian Journal of Psychiatry	
	Link: <a href="https://www.sciencedirect.com/science/article/abs/pii/S1876201824002612">https://www.sciencedirect.com/science/article/abs/pii/S1876201824002612</a>	

●	<b>Epigenetics modification among vitrified oocytes and early embryos derived from them: a narrative review</b>	2024
	Publisher: Cellular and Molecular Biology	
	Link: <a href="https://www.cellmolbiol.org/index.php/CMB/article/download/5540/3338">https://www.cellmolbiol.org/index.php/CMB/article/download/5540/3338</a>	
●	<b>Placental Histopathological Changes and the Level of Anti-Spike Antibody After Covid-19 Vaccination During Pregnancy: A Case Series</b>	2024
	Publisher: Journal of Reproduction & Infertility	
	Link: <a href="https://pmc.ncbi.nlm.nih.gov/articles/PMC11736271/">https://pmc.ncbi.nlm.nih.gov/articles/PMC11736271/</a>	
●	<b>Bilateral asymmetrical hip dislocation after falling from height: a case report</b>	2024
	Publisher: Journal of Orthopedic and Spine Trauma	
	Link: <a href="https://jost.tums.ac.ir/index.php/jost/article/download/526/372">https://jost.tums.ac.ir/index.php/jost/article/download/526/372</a>	
●	<b>Surgical sponge retained in femoral canal for 22 years: A case report</b>	September 2021
	Publisher: Journal of Orthopedic and Spine Trauma	
	Link: <a href="https://jost.tums.ac.ir/index.php/jost/article/view/272">https://jost.tums.ac.ir/index.php/jost/article/view/272</a>	
●	<b>Prediction of intraperitoneal adhesions in repeated cesarean sections: A systematic review and Meta-analysis</b>	June 2023
	Publisher: European Journal of Obstetrics and Gynecology and Reproductive Biology/ELSEVIER	
	Link: <a href="https://www.ejog.org/article/S0301-2115(23)00229-4/abstract">https://www.ejog.org/article/S0301-2115(23)00229-4/abstract</a>	
●	<b>COVID-19: A Review on Precautions and Self-Protection</b>	
	Publisher: Journal of Iranian Medical Council	
	Link: <a href="https://www.jimc.ir/&amp;url=http://www.jimc.ir/article_191549.html">https://www.jimc.ir/&amp;url=http://www.jimc.ir/article_191549.html</a>	
●	<b>An Overview of Medical Knowledge Evaluation of Large Language Models: An Endeavor Toward a Standardized Evaluation and Reporting Guideline</b>	2025
	Publisher: PrePrint	
	Link: <a href="https://www.preprints.org/frontend/manuscript/6c98518af1c4a35c247dad4ec6431fed/download_pub">https://www.preprints.org/frontend/manuscript/6c98518af1c4a35c247dad4ec6431fed/download_pub</a>	
●	<b>The Effectiveness of Letrozole Alone or in Combination with Methotrexate in the Management of Ectopic Pregnancy, A Systematic Review and Meta-Analysis</b>	
	Publisher: Reproductive Sciences	
	Link: <a href="https://link.springer.com/article/10.1007/s43032-024-01712-7">https://link.springer.com/article/10.1007/s43032-024-01712-7</a>	

- The effect of Myo-inositol on improving sperm quality and IVF outcomes: A systematic review and meta-analysis**

Publisher: Food Science and Nutrition

Link: <https://onlinelibrary.wiley.com/doi/pdf/10.1002/fsn3.4427>

2024
- The association between increased fetal movements in the third trimester and perinatal outcomes; a systematic review and meta-analysis**

Publisher: BMC Pregnancy and Childbirth

Link: <https://link.springer.com/article/10.1007/s10143-024-02424-x>

2024
- Diagnostic value of neutrophil-to-lymphocyte and platelet-to-lymphocyte ratio to predict recurrent pregnancy loss and abortion; a systematic review and meta-analysis**

Publisher: Immunity, Inflammation and Disease

Link: <https://onlinelibrary.wiley.com/doi/pdf/10.1002/iid3.1210>

2024
- The effect of COVID-19 and COVID-19 vaccination on serum anti-Mullerian hormone: A systematic review and meta-analysis**

Publisher: Immunity, Inflammation and Disease

Link: <https://onlinelibrary.wiley.com/doi/pdfdirect/10.1002/iid3.1136>

2024
- Adjunctive antidepressants for the treatment of bipolar depression: An updated meta-analysis of randomized clinical trials**

Publisher: Asian Journal of Psychiatry

Link: <https://www.sciencedirect.com/science/article/abs/pii/S1876201823003969>

2024
- COVID-19: A Review on Clinical Manifestations**

Publisher: Int J Enteric Pathog

Link: <https://pdfs.semanticscholar.org/f4f6/33738ba4d3294a53e8d85e9da0ccd9f25fc8.pdf>

2023
- Maternal and Fetal Factors Affecting Cell-Free Fetal DNA (cffDNA) Fraction: A Systematic Review**


Publisher: Journal of Reproduction & Infertility

Link: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10757682/>

2023

## Social Network

 [omid-kohandel-gargari](#)

 [Omid-Kohandel-Gargari](#)

Professional Memberships

Junior Associate Member of International Headache Society

May 2023-May2027

Peer Review

- Reviewer

Acta Neurologica Scandinavica
- Reviewer

BMJ Evidence Based Medicine

Teaching

- Endnote workshop

Alborz University of Medical Sciences
- SPSS workshop

Alborz University of Medical Sciences
- "Types of research in medicine" workshop

Alborz University of Medical Sciences
- "Introduction to case reports" workshop

Alborz University of Medical Sciences
- Introduction to Machine Learning in Medicine

NCWEB Association

2024

Personal interests

- Camping
- Reading
- Writing
- Creating
- Hiking