

# Sara Bagherieh

## Curriculum Vitae

Updated Version

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### Personal Information

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**First Name:** Sara

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**ResearchGate:** <https://www.researchgate.net/profile/Sara-Bagherieh>

**GitHub:** <https://github.com/s-bgh00>

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# Academic Background

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## Isfahan University of Medical Sciences, Isfahan, Iran - Student of Medicine

Sep 2018 – Present

I am currently a fourth-year medical student and the first rank of my class with a GPA of 3.95/4.

I am also a research assistant at Isfahan Neuroscience Research Center, Isfahan cardiovascular research center (in collaboration with WHO), and Universal Scientific and Educational Research Network (USERN) at Tehran.

## Farzanegan High School, Isfahan, Iran - High School Diploma - Biology

Sep 2014 – Jul 2018

Valedictorian - Activities: Member of the school's chess & Track and field teams.

# Honors & Awards

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2018	National University Entrance Exam for Sciences	Ranked 13th
2018	National University Entrance Exam for Foreign Languages	Ranked 3rd
2019	Best Proposal Competition, Isfahan Students' Research Center Summer School of Research	Winner
2020	Best <a href="#">USERN</a> Quick Read (UQR) of the month - Tehran University of Medical Sciences	Winner

# Research Experience

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## Published Articles:

1. **Bagherieh, S.**, Ghoshouni, H., Bostan, F., Afshari-Safavi, A., Badihian, S., Barzegar, M., Shaygannejad, V., Mirmosayyeb, O., Incidence, Prevalence, and Characteristics of Heart Failure Among Patients with Multiple Sclerosis; A Systematic Review and Meta-Analysis, *Multiple Sclerosis and Related Disorders*, 2022, 103665, ISSN 2211-0348, <https://doi.org/10.1016/j.msard.2022.103665>.
2. Ghoshouni, H., **Bagherieh, S.**, Parvizinia, M., Askari, M., Sadeghi, M., Mirmosayyeb, O., "Unraveling the Mystery of COVID-19 Postvaccination Myocarditis: A Systematic Review of Current Cases", *International Journal of Clinical Practice*, vol. 2022, Article ID 2438913, 5 pages, 2022. <https://doi.org/10.1155/2022/2438913>
3. Mirmosayyeb, O., **Bagherieh, S.**, & Shaygannejad, V, (2021) Acute CNS demyelination in a subject with cerebellar ataxia following the first dose of COVID-19 vaccine; a case report, *Human Vaccines & Immunotherapeutics*, 17:11, 4099-4101, DOI: 10.1080/21645515.2021.1971920
4. Roohafza, H., **Bagherieh, S.**, Feizi, A., Khani, A., Yavari, N., Saneian, P., Teimouri, Z., & Sadeghi, M. (2021). How is type D personality associated with the major psychological outcomes in noncardiac chest pain patients? *Personality and Mental Health*, 1– 9. <https://doi.org/10.1002/pmh.1527>

5. Mirmosayyeb, O., Shaygannejad, V., **Bagherieh, S.** et al. Prevalence of multiple sclerosis (MS) in Iran: a systematic review and meta-analysis. *Neurol Sci* 43, 233–241 (2022).  
<https://doi.org/10.1007/s10072-021-05750-w>
6. Roohafza, H., Noohi, F., Hosseini, SG., Alemzadeh-Ansari, M., **Bagherieh, S.**, Marateb, H., Mansourian, M., Mousavi, AF., Seyedhosseini, M., Farshidi, H., Ahmadi, N., Yazdani, A., Sadeghi, M. A Cardiovascular Risk Assessment model according to behavioral, pSychosocial and traditional factors in patients with ST-segment elevation Myocardial Infarction (CRAS-MI): review of literature and methodology of a multi-center cohort study. *Curr Probl Cardiol.* 2022 Feb 19:101158. doi: 10.1016/j.cpcardiol.2022.101158. Epub ahead of print. PMID: 35192872.
7. Barzegar, M., Mirmosayyeb, O., Ebrahimi, N., **Bagherieh, S.**, Afshari-Safavi, A., Hosseinabadi, A.M., Shaygannejad, V., Asgari, N., COVID-19 susceptibility and outcomes among patients with neuromyelitis optica spectrum disorder (NMOSD): A systematic review and meta-analysis, *Multiple Sclerosis and Related Disorders*, 2021, 103359, ISSN 2211-0348, <https://doi.org/10.1016/j.msard.2021.103359>.
8. Riazi, A., Larry, M., Mokhtari, A., Abdali, H., Asfia, M., & **Bagherieh, S.** (2021). Giant High-Grade Immature Teratoma of the Central Nervous System (CNS) in an Infant: A Case Report. *The American journal of case reports*, 22, e932752.  
<https://doi.org/10.12659/AJCR.932752>
9. Roohafza, H., Yavari, N., Feizi, A., Khani, A., Saneian, P., **Bagherieh, S.**, Sattar, F., & Sadeghi, M. (2021). Determinants of depression in non-cardiac chest pain patients: a cross sectional study. *The Korean journal of pain*, 34(4), 417–426.  
<https://doi.org/10.3344/kjp.2021.34.4.417>

10. Mirmosayyeb, O., Moases Ghaffary, E., **Bagherieh S.**, Barzegar, M., Sadegh Dehghan, M., Shaygannejad, V., Post COVID-19 Infection Neuromyelitis Optica Spectrum Disorder (NMOSD): A Case Report-Based Systematic Review, *Multiple Sclerosis and Related Disorders*, 2022, 103697, ISSN 2211-0348, <https://doi.org/10.1016/j.msard.2022.103697>.

### **Submitted Manuscripts:**

- *Available Preprints:*

1. **Bagherieh, S.**, Ebraimi, N., Mirmosayyeb, O., et al. The First Case of Longitudinal Extensive Transverse Myelitis (LETM) Following the First Dose Vaccination with Sinopharm Vaccine. *Authorea*. January 27, 2022. DOI: 10.22541/au.164330605.51898643/v1
2. Barzegar, M., **Bagherieh, S.**, Houshi, S., Hashemi, M.S., Pishgahi, G.H., Afshari-Safavi, A., Mirmosayyeb, O., Shaygannejad, V., Zabeti, A., Factors associated with COVID-19 susceptibility and severity in patients with multiple sclerosis: A systematic review. doi: <https://doi.org/10.1101/2021.06.11.21258765>
3. Mirmosayyeb, O., Ebrahimi, N., Barzegar, M., Afshari-Safavi, A., **Bagherieh, S.**, Shaygannejad, V., Olfactory Dysfunction in Patients with Multiple Sclerosis; A Systematic Review and Meta-Analysis. *medRxiv* 2021.06.16.21259033; doi: <https://doi.org/10.1101/2021.06.16.21259033>
4. Mirmosayyeb, O., Ebrahimi, N., Shekarian, A., **Bagherieh, S.**, Afshari-Safavi, A., Shaygannejad, V., Barzegar, M., Prevalence of dysphagia in patients with multiple

sclerosis; a systematic review and meta-analysis doi:

<https://doi.org/10.1101/2021.06.07.21258473>

- *Other Under-Review Projects, Ongoing Research Projects, and Book Chapters:*

- Available on request

### **Abstracts:**

1. Mirmosayyeb, O., Ebrahimi, N., Shekarian, A., **Bagherieh, S.**, Afshari-Safavi, A., Shaygannejad, V., Barzegar, M., Prevalence of dysphagia in patients with multiple sclerosis; a systematic review and meta-analysis doi:  
<https://doi.org/10.1101/2021.06.07.21258473> [MENACTRIMS 2021]
2. Mirmosayyeb, O., Ebrahimi, N., Barzegar, M., Afshari-Safavi, A., **Bagherieh, S.**, Shaygannejad, V., Olfactory Dysfunction in Patients with Multiple Sclerosis; A Systematic Review and Meta-Analysis. medRxiv 2021.06.16.21259033; doi:  
<https://doi.org/10.1101/2021.06.16.21259033> [MENACTRIMS 2021]

# Skills & Abilities

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## **Languages:**

**Persian:** Native Language

**English:** Full Professional Proficiency

**Spanish:** Intermediate Working Proficiency

**Arabic:** Limited Working Proficiency

## **Technical and Research-Related Skills:**

Scientific Writing (Advanced)

SPSS (Advanced)

R Statistical Package (Advanced)

Python Programming Language (Advanced)

Machine Learning (Novice)

Microsoft Office package (Advanced)

Google Drive package (Advanced)

Mendeley (Advanced) & EndNote (Advanced)

## **Soft Skills:**

- Coordinated, goal-directed, and intrigued by the idea of bridging medicine with computer sciences,
- Excellent teamwork, team management, and conflict resolution according to my colleagues,
- Perfect time management, punctuality, and passion for discovery!
- Flexibility and adaptation regardless of the prestige of the project/position/job.

## **Interests**

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Computing in Medicine, Advanced Statistical Analysis, Advanced Risk Estimation modelings, Applied Artificial Intelligence in Diseases and Conditions, Machine Learning in Medicine, Meta-analysis, Regression Analysis, Multivariate Analysis, Epidemiological Statistic, Biostatistics, Survival Analysis, Computer Programming, Data Science, Data Wrangling

## **References**

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Available on Request