

# Amin Saberi

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## EDUCATION

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M.D., Mashhad University of Medical Sciences, Mashhad, Iran. 2011 fall – 2019 winter (GPA: 17.86 / 20, top 3% in class)

## RESEARCH

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Non-resident researcher in neuroimaging (Supervisor: Dr. Masoud Tahmasian), Institute of Medical Sciences and Technologies, Shahid Beheshti University, Tehran, Iran. 2018 fall - now

## SKILLS

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- Neuroimaging and clinical meta-analysis
- Structural and functional (resting-state or task-based) neuroimaging analysis with FSL, SPM, FreeSurfer, and BIDS apps (e.g. fmriprep)
- Python (statistical analysis, web/desktop app programming)
- Basic machine learning with Scikit-learn, Tensorflow, and PyTorch

## PUBLICATIONS AND PREPRINTS

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- **Saberi, A.**, Mohammadi, E., Zarei, M., Eickhoff, S. B., & Tahmasian, M\*. (2020). Structural and functional neuroimaging of late-life depression: A coordinate-based meta-analysis. *PsyArXiv*. doi: 10.31234/osf.io/y3n4a  
*Learned how to do coordinate-based meta-analyses using activation likelihood estimation. Also learned a lot about the different methods of neuroimaging by reading the neuroimaging studies on late-life depression.*
- **Saberi, A.**, Gazanchian, M., Sadeghi, R., & Eshraghi, A.\* (2019). Platelet-To-Lymphocyte Ratio as a Predictor of No-Reflow after Primary Percutaneous Coronary Intervention in Patients with ST Elevation Myocardial Infarction: A Systematic Review and Meta-Analysis. *Journal of Cardio-Thoracic Medicine*, 7(2), 433–441. doi: 10.22038/jctm.2019.39393.1219
- **Saberi, A.**, Bijari, M., & Eshraghi, A.\* (2019). The prognostic value of platelet-to-lymphocyte ratio in patients with acute coronary syndrome: A systematic review and meta-analysis. *Medical Journal of Mashhad University of Medical Sciences*, 61(6), 1264–1278. doi: 10.22038/MJMS.2019.13471 [In Farsi]
- Ganji, A., Esmaeilzadeh, A., Ghanaei, O., **Saberi, A.\***, Taherzadeh, D., Sazgarnia, S., ... Zarifmahmoudi, L. (2017). Predictive value of red blood cell distribution width for mortality in patients with acute pancreatitis: A systematic review and meta-analysis. *Medical Journal of the Islamic Republic of Iran*, 31, 124. doi: 10.14196/mjiri.31.124

## CONFERENCE ABSTRACTS

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### Oral Presentations

- **Saberi A**, Mohammadi E, Eickhoff CR, Zarei M, Eickhoff SB, Tahmasian M\*. A coordinate based meta-analysis on the brain functional and structural changes in late life depression. *6<sup>th</sup> Iranian Human Brain Mapping Congress*, Shahid Beheshti University, Tehran, Iran. Oct 2019 [Best Oral Presentation Award]

### Poster Presentations

- **Saberi A\***, Ghodsi HR. Neutrophil to lymphocyte ratio as a prognostic marker in glioblastoma multiforme: a systematic review and meta-analysis. *The 1<sup>st</sup> International Neuroinflammation Congress*, Ghaem Hospital, Mashhad, Iran. April 2017
- **Saberi A\***, Gazanchian M, Ghodsi HR, Mofatteh A, Nazarpour S. Cerebral blood volume as a prognostic marker in glioblastoma patients treated with bevacizumab: a systematic review. *1<sup>st</sup> International Razavi Cancer Congress*, Razavi Hospital, Mashhad, Iran. May 2016
- Achesmeh Z., Alizade H., Ghodsi HR., **Saberi MA.**, Shahrokhi Y. The effect of stress on working memory in individuals with different personality traits. *1<sup>st</sup> Razavi International Anxiety Congress*, Razavi Hospital, Mashhad, Iran. Oct 2012

## TEACHING EXPERIENCE

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- *Teaching assistant in NeuromatchAcademy, a computational neuroscience crash course (3 weeks), Online interactive course on Zoom.* July 2020
- *Meta-analysis of prognostic and diagnostic studies workshop (1 day), Mashhad University of Medical Sciences, Mashhad, Iran.* Sep 2017

## HONORS AND AWARDS

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- Ranked 157<sup>th</sup> in National University Entrance Exam (99.96% percentile, among ~400,000 students of natural sciences), Iran. 2011
- Awarded membership of National Elites Foundation, Iran. 2015
- Ranked second in the groups competition of the 10<sup>th</sup> National Medical Sciences Student Olympiad in Clinical Reasoning, Iran University of Medical Sciences, Tehran, Iran. 2018