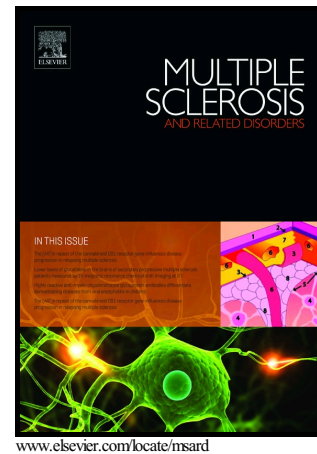


## Author's Accepted Manuscript

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Ibrahim Abdollahpour, Saharnaz Nedjat, Mohammad Ali Mansoorinia, Mohammad Ali Sahraian, Nasrin Asgari



PII: S2211-0348(18)30018-X  
DOI: <https://doi.org/10.1016/j.msard.2018.01.008>  
Reference: MSARD741

To appear in: *Multiple Sclerosis and Related Disorders*

Received date: 12 September 2017  
Revised date: 17 December 2017  
Accepted date: 12 January 2018

Cite this article as: Ibrahim Abdollahpour, Saharnaz Nedjat, Mohammad Ali Mansoorinia, Mohammad Ali Sahraian and Nasrin Asgari, Parental ethnicity associated with risk for multiple sclerosis: A population-based incident case–control study in Iran, *Multiple Sclerosis and Related Disorders*, <https://doi.org/10.1016/j.msard.2018.01.008>

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## Parental ethnicity associated with risk for multiple sclerosis: A population-based incident case–control study in Iran

Ibrahim Abdollahpour<sup>1,\*</sup>, Saharnaz Nedjat<sup>2</sup>, Mohammad Ali Mansoorinia<sup>3</sup>, Mohammad Ali Sahraian<sup>4</sup>, Nasrin Asgari<sup>5</sup>

<sup>1</sup>Department of Epidemiology, School of Public Health, Arak University of Medical Sciences, Arak, Iran

<sup>2</sup>Department of Epidemiology and Biostatistics, School of Public Health, Tehran University of Medical Sciences, Knowledge Utilization Research Center, Tehran University of Medical Science, Tehran, Iran

<sup>3</sup>Department of Epidemiology and Biostatistics, School of Public Health, Tehran University of Medical Sciences, Tehran, Iran

<sup>4</sup>MS Research Center, Neuroscience Institute, Tehran University of Medical Sciences, Tehran, Iran

<sup>5</sup>Institutes of Regional Health Research and of Molecular Medicine, University of Southern Denmark, Denmark

\*Correspondence to: Tel: +98 8632246207, ORCID ID: 0000-0002-8607-4507; ebrahemen@gmail.com

### ABSTRACT

**Background:** The epidemiology of multiple sclerosis (MS) includes a consideration of geography and population ethnicity. To determine whether there is any association between ethnicity and risk of MS in a multiethnic, population-based case–control study.

**Methods:** We conducted a population-based case–control of 547 incident MS cases and 1057 healthy controls between August 2013 and February 2015, Tehran, a multi-ethnic city. The patients were identified and enrolled through the Iranian MS Society. Case status was confirmed by a panel of MS specialists beside of 2010 McDonald criteria. Controls were selected through random digit dialing. A logistic regression model was applied to estimate the odds ratios (95%CI) adjusted for age, sex, tobacco smoking and socioeconomic status.

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