Peer Review Report

Review Report on Prognostic factors associated with Sleep Duration: oxidative stress and anxiety/Depression in Iranian adults

Original Article, Int J Public Health

Reviewer: Yasin TÜLÜCE

EVALUATION

Q1 Please summarize the main findings of the study.

The main findings of the study are to categorize adult people with insomnia problems. It is the determination of SOD1 and PAB values in their serum.

Q2 Please highlight the limitations and strengths.

Strengths: The study was conducted on a large sample.
Limitations: Few oxidative stress and antioxidant markers have been studied.

Q3 Please provide your detailed review report to the authors. The editors prefer to receive your review structured in major and minor comments. Please consider in your review the methods (statistical methods valid and correctly applied (e.g. sample size, choice of test), is the study replicable based on the method description?), results, data interpretation and references. If there are any objective errors, or if the conclusions are not supported, you should detail your concerns.

Comments on the current article study that discussed oxidative stress and anxiety/depression in adults as prognostic factors associated with Sleep Duration are presented below.
Revise the purpose sentence in the abstract part.
In the introductory part of the article, data based on the 2015 report of the World Health Organization is presented. Is this the WHO's latest report? if not, it would be more appropriate to transfer the data in the most recent report.
In addition, discussing the information contained in previous human reference studies on the relationship between insomnia and oxidative stress may be valuable for the progress of the article. Such studies are available in the literature.
Do not forget to indicate the date of the document in which you specify the relevant Ethics approval document number in your article, in the method section of the article.
To what do you, as the authors, attribute the high standard error rates in the findings? for example, anxiety score is 9.85±9.24, PCK 65.77±55.23 in Table 1. Furthermore, a similar situation was observed in other findings.
SOD1 enzyme unit in the graphs in the results?
If the display of the findings is presented with better categorization, it will be easier for those who read the article.

PLEASE COMMENT

Q4 Is the title appropriate, concise, attractive?

With limited parameters ie Measured SOD and PAB value does not seem to meet the Oxidative stress expression in the title.

Q5 Are the keywords appropriate?

PAB keyword alone is insufficient to indicate oxidative stress

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Q 6   **Is the English language of sufficient quality?**

sufficient

Q 7   **Is the quality of the figures and tables satisfactory?**

Not Applicable.

Q 8   **Does the reference list cover the relevant literature adequately and in an unbiased manner?)**

no, some references on the subject have not been touched on.

QUALITY ASSESSMENT

Q 9	Originality		■ ■ ▢ ▢ ▢
Q 10	Rigor		■ ■ ▢ ▢ ▢
Q 11	Significance to the field		■ ■ ■ ▢ ▢
Q 12	Interest to a general audience		■ ■ ■ ▢ ▢
Q 13	Quality of the writing		■ ■ ■ ▢ ▢
Q 14	Overall scientific quality of the study		■ ■ ▢ ▢ ▢

REVISION LEVEL

Q 15   **Please make a recommendation based on your comments:**

Major revisions.