Reviewer’s report

Title: Variables Associated with Use of Symptomatic Medication during a Headache Attack in Individuals with Tension-Type Headache: A European Study

Version: 0 Date: 30 Nov 2019

Reviewer: Min Kyung Chu

Reviewer's report:

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This is an interesting manuscript regarding factors for acute medication use in TTH. Authors enrolled clinical patient sample and compared headache frequency, widespread pain, affective symptoms, duration on use of symptomatic medication, response to acute treatment. They found that some factors were different on taking medication, effect and early medication. I am hoping to address several points for improving this manuscript.

1. In BACKGROUND, authors described that they conducted on the factors on medication of TTH only because there was no study regarding it. Consider revised description for the need of this study such as disability and burden of TTH, low treatment rate of TTH et al.

2. Sample size issue. Authors compared several factors on medication, effect and early medication. However, there was no description for the size of this study. Consider describing whether the sample size of this study was appropriate.

3. Statistical methods issue. Authors analyzed potential contributing factors on taking medication, effect and early medication by comparing t-test, ANOVA or chi-square test. Nevertheless, they only can be used to analyze difference between groups. In such circumstances, considering regression analysis. Further, consider multiple regression analyses for potential multicollinearity of relating factors.

4. Consider p-value column in TABLE 1, 3, 5 even authors marked on statistical significance in table. It would improve audience’s understanding.

Trivia: tension type headache -&gt; tension-type headache

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes
**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I recommend additional statistical review

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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