Reviewer's report

Title: Paranasal sinus air suction for the treatment of acute migraine – A randomized, double blind, pilot Study

Version: 5 Date: 13 Aug 2019

Reviewer: Michael Marmura

Reviewer's report:

The changes in the manuscript improve the quality of the study. No treatment for migraine is close to 100% effective. In future studies please make sure to include 1, 2 hour pain relief, pain freedom, 24 hr sustained relief/headache freedom, relief of most bothersome symptom etc.

Change "Since the study is not based on long term follow up of patients, it cannot be concluded that paranasal air suction can be used as an alternative treatment for acute migraine, but this study could be helpful to develop hypothesis on the patho-physiology of migraine." to We did not assess pain outcomes beyond 60 seconds, but the initial responses suggests the need to further study the efficacy of paranasal suction in migraine.

Change "Medications have been used to treat migraine that significantly reduce the suffering of migraine patients, but usually takes more than half an hour to respond" to "Oral medications for acute migraine typically take more than 30 minutes to become effective"

How common is supraorbital tenderness in general (healthy subjects)? I would think most people would find this bothersome and would say that this is extremely common in migraine rather than a diagnostic tool for migraine.

Remove the sentence "We did not have to stop the procedure in any patient due to patients complains."

Remove the sentence "Findings of this study can also be helpful to develop hypothesis on the patho-physiology of migraine."
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:

Needs some language corrections before being published

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