Reviewer's report

Title: Investigating the effect of vitamin D vaginal suppository on sexual function among postmenopausal women: Study Protocol for a Randomized Controlled Trial

Version: 0 Date: 24 Aug 2019

Reviewer: Salvatore Caruso

Reviewer's report:

I was pleased to review the Manuscript "Investigating the effect of vitamin D vaginal suppository on sexual function among postmenopausal women: Study Protocol for a Randomized Controlled Trial" (BMWH-D-18-00606). In my opinion, this is a well-written protocol. I appreciated the methodology described by the Authors but the paper should be further improved.

In general, I have only a few comments and suggestions to the authors:

* I suggest a further linguistic revision by a native English speaker in order to correct several typos.

* In this paper, the Authors investigated the effectiveness of vitamin D vaginal suppository in improving sexual function of postmenopausal women. I think it would be interesting to further discuss the relationship between vitamin D and postmenopausal symptoms, mentioning these studies about the topic: Prz Menopauzalny. 2018;17(1):1-7. doi: 10.5114/pm.2018.73791; Maturitas. 2014 Sep;79(1):3-7. doi: 10.1016/j.maturitas.2014.06.003.

* The Authors correctly discussed the use of systemic estrogen therapy for the treatment of vulvovaginal atrophy symptoms in postmenopausal women. In this regard, I think it is important to also discuss the use of topical estrogen therapy with particular reference to ultralow-concentration estriol vaginal gel. I suggest referring to the following studies about this topic: Menopause. 2017 Aug;24(8):900-907. doi: 10.1097/GME.0000000000000851; Menopause. 2012 Oct;19(10):1130-9. doi: 10.1097/gme.0b013e3182518e9a.

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

No

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

No

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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