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: 18 Aug 2019

Reviewer: Sevil Hakimi

Reviewer's report:

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1. Section Goals and hypothesis: The authors mentioned vit D can improve sexual function via improving symptoms of vaginal atrophy. Using which mechanism? It should me explain briefly in this section

2. Specific objectives: They should be re-written. Comparison of sexual function in postmenopausal women between groups and within group.

3. Absolute contraindication of vit D should be consider in exclusion criteria.

4. This study is not triple blind, In randomization section authors mentioned classification of groups. A: suppository of vit D, B: group of placebo and C: control group. How this is triple blind?

5. T-test is not suitable for comparing quantitative data. there are 4 groups. one way ANOVA must be placed.

6. If data distribution is not normal which rest will be done instead of RM ANOVA?

5. In every RCT side events should be evaluated. So side effect of Vit D3 should written as " side event” not side effect (see CONSORT guidline) and it not consider as secondary outcome.

6. Its better evaluate vaginal maturation index also for better assessment of atrophic vaginitis.

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

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I am able to assess the statistics

Quality of written English
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Needs some language corrections before being published

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