

# Review of: "Effect of Supplementation with *Moringa oleifera* on Antioxidant and Oxidative Stress Biomarkers of Infertile Women: A Pilot Open-Label Randomized Clinical Trial"

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Potential competing interests: No potential competing interests to declare.

## Effect of Supplementation with *Moringa oleifera* on Antioxidant and Oxidative Stress Biomarkers of Infertile Women: A Pilot Open-Label Case-Control Randomized Clinical Study

1. The name of the species under study is written in several different and all incorrect forms, starting with the title. The genus of the species is written with an initial capital letter and that of the species with an initial lowercase letter and in italics.
2. Add a list of acronyms
3. Do a text formatting review. For example, groups 1 and 2 in the methodology are bold, and group 3 is not. Table 2 lacks close parentheses.

### Methodology

1. I suggest that the number of registrations of approval of the study obtained from the Lagos State Ministry of Health be informed.
2. It became clear that the age of women was in the range of 35-50 years, but what was the average age per group? Was it equivalent? I'd like to understand these samples better. It is known that the ovarian reserve declines from 36 years old, so I think it is important to include the average age of each group. Since primarily, they were divided into groups by lot and the initial premise was to have normal hormone levels, criteria such as Müllerian hormone, insulin resistance, and BMI values were considered?

### Results

1. Insert in the table a caption, since this graphic must be self-explanatory, and try to use a font that shows the unit of measurement properly following international standards (mM, for example). Leave indicated in the legend of the table that \* $p < 0.05$  values demonstrate significant differences in the comparison between x and y groups.
2. In table 1, indicate which group was used as INFERTILE, group 1 or group 2.
3. In the methodology, group 2 is called the infertile group and did not receive supplementation. In the results, table 2 calls group 2 the infertile group after supplementation with *Moringa oleifera*. It is confusing to interpret the data in this way. If there was separation into 3 groups, I suggest you use this nomenclature in the tables. It would greatly facilitate

the understanding of the results.

I suggest the authors reinforce the n sample to give subsidy to the suggested data. Perhaps call women from other care centers. Show the results presented here to encourage the use of MO correctly throughout the period of treatment recommended to minimize abandonment.

The study was well designed, but the low sample number makes the conclusions difficult; we can only make inferences.