

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

Ana Caroline Raimundini Aranha¹

¹ Universidade Estadual de Maringá

Potential competing interests: No potential competing interests to declare.

1. It could complement the background part of the summary. Realize that before talking about this study, it would be important to have a greater connection between the thought of the sentence itself.
2. Note that in some cases, you wrote the same number in two consecutive ways: Thirty (30). You don't need to put it both ways.
3. In the excerpt: "Metabolic processes in humans result in the generation of reactive oxygen species (ROS). The antioxidant system of the body provides protection against the damaging effects of reactive oxygen species (ROS)." It would be important to put at least one or two sentences explaining what ROS is.
4. This part could be removed from the article: "It is called by different names, including: drumstick, which is due to the appearance of its immature pods; the horseradish tree and the ben oil tree; the 'tree of life' or the 'Miracle Tree' due to its economic importance and versatility [Sidney et al., 2015]."
5. When applying the formula for N, you can enter the direct result; the calculation does not need to be demonstrated throughout the article.
6. In the results, it would be interesting to place Table 1 after the paragraph that describes it. Then, call Table 2 throughout the article.
7. This excerpt: "Infertility, defined as the inability of couples to achieve reproduction after one year of uninterrupted sexual intercourse, has become a global health issue. Infertility is a complex problem, and various factors have been identified to be responsible. The role of oxidative stress in the pathogenesis of various health disorders, including infertility, has been reported, and the neutralization of oxidative stress might help to improve pregnancy outcomes." It does not need to be in the article; it can be removed.
8. Again, the excerpt "Reactive oxygen species (ROS) impact female reproductive function, and antioxidants serve as protective systems against the effects of oxidative stress. The role of plasma ROS concentrations in folliculogenesis, oocyte maturation, and normal uterine function has been established by a previous study (Agarwal et al., 2008). Excessive production of free radical biomarkers has been reported to affect the normal reproductive process (Agarwal et al., 2005). The increased level of oxidative stress biomarkers reported in infertile women in this study confirms that oxidative stress plays a role in the normal reproductive process. Available evidence has confirmed the important interaction between ROS and the antioxidant system in ovulation, fertilization, steroidogenesis, and endometrial

receptivity (Brzezinski, 1987; Ben et al., 2023)." It does not need to be in the text. It is not part of results and discussions.

9. It would be important to improve the conclusion for the final publication of the article.