

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"

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Potential competing interests: No potential competing interests to declare.

Abstract

There is inconsistency in writing *Moringa oleifera*. Should be the same throughout the manuscript.

Of these ~~numbers~~, 40 had elevated reproductive hormones and were excluded. (Numbers should be deleted)

Introduction

Both enzymatic and non-enzymatic antioxidants, namely, vitamins and minerals (write correct examples)

Try to replace old references with new.

Methodology

Group 2: Is it also with primary infertility?

Authors should explain the basis of the use of 2 g of *Moringa oleifera*.

Flow chart should be thoroughly reviewed for topographical errors.

Collection of blood samples:

Five milliliters (5ml) of venous blood was collected into a lithium heparin vacutainer. This was spun, and the plasma was stored at -20°C until ready for use.

Write everything in the heading of Methodology, do not write Laboratory Methods heading.

Supplement Dispensing and Accountability.

Subjects were given packs of the supplement which would last them for four weeks as detailed in the protocol.

Methods used for estimation should be written with proper heading; making it bold and continuing it doesn't make sense.

The method used for the estimation of plasma peroxide should be elaborated to add clarity.

Authors should add clarity to the method used for total antioxidant capacity measurement.

Justify the reason for writing ""Glutathione disulfide (GSSG) is the oxidized form of glutathione. It is reduced to GSH in the presence of NADPH by the glutathione reductase (GR). The glutathione peroxidase (GP) converts hydrogen peroxide to water." in the estimation of total glutathione.

Under **The oxidative stress index (OSI)**, why **'The estimation of the Glutathione Reductase Assay was as described by Teitze (1969). The assay is based on the spectrophotometric determination of glutathione reductase activity by the increase in absorption caused by the reduction of dithiobis (2-nitrobenzoic acid) (DTNB) at 412 nm.'** has been written.

Data Analysis

Statistical Package for the Social Sciences (SPSS) software version 21.0-compatible software

Results:

Authors should check consistency in writing the units.

Discussion

There are inconsistencies in the observations made by the author among fertile and infertile groups. The author must carefully review the paper.

References

Authors should pay attention to writing the references.

Paper can be accepted for publication after incorporation of the required changes.