Reviewer’s report

Title: Effects of Cinnamon Supplementation on Expression of Systemic Inflammation Factors, NF-kB and Sirtuin-1 (SIRT1) in Type 2 Diabetes: A Randomized, Double Blind, and Controlled Clinical Trial.

Version: 0 Date: 25 Sep 2019

Reviewer: Antonio Inserra

Reviewer's report:

Comment 1- Line 172 states: "Also, we observed no significant reduction (P=0.055) in placebo group at the same time.", referring to the effects on NFkB in the placebo group. However, this P value seems to be 0.2 in the table
Comment 2- The table should be clearer. Unnecessary P values should be excluded. Symbols in front of P values (i.e. < 0.22 are not needed)
Comment 3- The manuscript should be edited and proofread for English
Comment 4- Figures should be added

MINOR COMMENTS

Line 101- "Forty four adult subjects were recruited, and all patients were obtained informed consent." Please rephrase to "Forty four adult subjects were recruited, and informed consent was obtained for all patients"
Line 109- This sentence is very long. Please consider dividing into multiple sentences. Probably the word "while" in line 109 should be replaced by "during"
Line 116- "Should read: "22 patients for each group (44 patients in total). After an interview, 44 subjects were eligible for participating in the study by convenience sampling method"
Line 124- "have" should be replaced by "maintain"
Line 128- "Subjects removed their shoes, wore light clothing" should be replaced by "Subjects removed their shoes, and wore light clothing"
Line 132- "and" should be removed from this sentence
Line 133- "We expressed clinical and biological measurements methods including fasting blood sugar and fasting insulin in our former study" should read "We expressed clinical and biological measurements methods, including fasting blood sugar and fasting insulin, in our former study"
Lines 133-140- If the authors want to mention the sensitivity of the ELISA kits, they should do so for all kits. However, this information can be omitted
Line 139- "Typo"
Line 143- "The p-value less than 0.05 was considered significant" should be replaced with "P-values less than 0.05 were considered significant"
Lines 145-146 Student's t-test was used for between groups comparison
Line 150- "Withdraw from the trial"
Line 152- "The mean (± SD) age"
Line 171- "In the treatment group"
Line 173- "at baseline"
Line 193- "Findings"
Line 198- "prevents"
Line 198- "In addition, the anti-inflammatory effects of cinnamon are mediated by nitric oxide synthase inhibition in inflamed areas"
Line 200- "Reduces"
Human studies showed that cinnamon consumption for 6 weeks had no impact on IL-6 level in female athletes.

Non-alcoholic fatty liver disease

15 grams/day? please specify correct posology

could decline should be replaced with "decreased"

"Even though the findings were not similar to the present study, its results could not be generalized to the diabetic patients. Because our target population was patients with type 2 of diabetes." this sentence should be replaced with "These results were not replicated in our study, potentially because of the different disease tested, or because our dosage was different".

eliminate "other views" as it is not necessary

regulates

promoting

In the cytoplasm

(I-kB) protein, which suppresses it

"Then, I-kB apart from NF-kB so, NF-kB activated and transferred to the nucleus" please rephrase this sentence in correct English

This function could be impressive in cellular glucose metabolism pathways- Please double check wording and rephrase

of SIRT1 protein

supplementation NF-kB" should read "supplementation on NF-KB"

The section "Limitations" should be checked for English and rephrased

This statement seems contradictory. Mayeb the authors meant that the placebo group had a significant decrease in NF-KB

Level of interest

Please indicate how interesting you found the manuscript:

An article of importance in its field

Quality of written English

Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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