Dear Esteemed Reviewer,

Thank you for reviewing our paper.

- In the introduction, we justify the need of investigation (line 99)
- In the discussion section, we included possible mechanisms (line, 327-333, line 368-395)
- Comparison with other human studies from literature was difficult to make because the data from literature are missing. We included this in our discussion.
- We modified the references according to the journal requirements.
- We included the strength of our study and possible application (line 400-407) .
- Limitations of the study are included (line 417-424).
- Our study is one of the few studies that open the perspectives and correlation between OA, oxidative and nutrition and lifestyle., as we mentioned in the paper (line 402).
- English language correction was made using the Grammarly program.

Kind regards,

Dr. Bogdana Nasui