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| Book Name: | [**Medical Science: Trends and Innovations**](https://www.bookpi.org/bookstore/product/medical-science-trends-and-innovations-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4913** |
| Title of the Manuscript: | **Analysis of the interaction between transcription factor 7-like 2 genetic variants with nopal and wholegrain fibre intake: effects on anthropometric and metabolic characteristics in type 2 diabetes patients** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**British Journal of Nutrition, 116(6): 969 - 978, 2016.**

**DOI:** [**https://doi.org/10.1017/S0007114516002798**](https://doi.org/10.1017/S0007114516002798)

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **The effects of nopal and wholegrain fiber on anthropometric and metabolic characteristics were analyzed, offering useful knowledge into personalized nutritional strategies for improving metabolic health in diabetic patients. The study also shows the potential role of fiber sources in modulating glucose metabolism and cholesterol levels, which could inform dietary recommendations and future research on nutrigenetics in diabetes treatment. This manuscript is significant for the scientific community because it investigates the relationship between TCF7L2 genetic variants and dietary fiber intake, contributing to the understanding of gene-diet interactions in type 2 diabetes management.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **1. The abstract does not disclose how TCF7L2 variants were genotyped. Clarity would be provided by a brief discussion of PCR-based genotyping.**  **2. It would be more transparent if the statistical tests (such as the General Linear Model [GLM] repeated-measures analysis) were briefly mentioned.**  **3. While anthropometric changes are mentioned in passing in the abstract, a more detailed of metabolic changes (such as GLP-1 levels, cholesterol, and HbA1c) would be beneficial.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Several references are from the early 2000s (e.g., Florez et al., 2006; Matthews et al., 1985; Hu et al., 2001), which may need supplementation with more recent findings.**  **The latest reference appears to be from 2015, meaning the study does not incorporate research from the past 8–10 years. Given the rapid advancements in nutrigenetics and diabetes research, including newer sources (2016–2024).** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes |  |
| Optional/General comments |  |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)* |  |

**Reviewers:**

**Bello Ahmad , Nigeria**