

Author's Reply

Dear Editor,

Thank you very much for the contributions and suggestions. Considering the increasing use of artificial intelligence programs as a helpful tool in many aspects of life today, we planned the study entitled "*ChatGPT-4 Performance in Answering Patients' Questions About the Management of Type 2 Diabetes*". The aim of the study was to examine the quality and reliability of ChatGPT-4 in the management of type 2 diabetes, particularly in terms of medical treatment plans. We compared the responses provided by ChatGPT-4 with the recommendations outlined in the guidelines (*ADA*

guidelines, which serve as a guide in clinical practice) evaluating their alignment and correlation. To broaden the scope of the study and gain a more comprehensive understanding of the usability of ChatGPT-4 in type 2 diabetes management, future work could involve clinical scenarios focusing not only on medical treatment but also on other essential components of diabetes management such as diet, exercise, complications related to the disease, preventive approaches, and supportive programs like vaccination. These studies could be designed with the aim of observing the broader applicability of ChatGPT-4. Additionally, evaluating the responses of ChatGPT-4 in light of diabetes management guidelines by healthcare professionals frequently encountering diabetic patients in clinical settings—including physicians, nurses, and dietitians—could allow for a more diverse assessment of the results.

In our study, which evaluates the reliability, quality, repeatability, and readability of the responses provided by ChatGPT-4 in medical treatment approaches and management of type 2 diabetes patients, the difficulty in reading some responses may impose limitations on the usability of ChatGPT-4 in clinical practice. If the clinical scenarios developed by the authors of this study had been formulated using simpler, more straightforward language without medical terminology and closer to patient-friendly communication, the readability score of the responses provided by ChatGPT-4 might have been lower.

In this study, we chose to evaluate the ChatGPT-4 model, one of the most popular artificial intelligence models in recent years, by using the *ADA guidelines* as a reference for the management of type 2 diabetes in clinical practice. With the rapid advancement of information technology, new artificial intelligence programs are being developed every day. We hope that these programs, including those for the management of type 2 diabetes, will be designed in a clear, reliable, high-quality, and easily readable manner to enhance their use in healthcare services.

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