

## Peer Review File

Article Information: <https://dx.doi.org/10.21037/asj-23-47>

### Review comments

#### Reviewer A

Interesting manuscript. Please extend your limitations by adding potential challenges of ChatGPT in medicine. Please add the following reference to this section: <https://doi.org/10.1016/j.jacr.2023.10.019>. Please also change the heading of this section to "challenges"

Comment 1:

Reply 1: Thank you, very much dear reviewer, for your expert comments and edits, we strongly agree with your comments and have made the necessary adjustments for your review, thank you. Lines 114-146

#### Reviewer B

Thank you very much for submitting the letter to the editor ("Large Language Models for Post-Operative Guidance in Refractive Surgery") to AME Surgical Journal. The manuscript consists of a title page with formal statements, an unstructured abstract, a manuscript with 3 subsections, 3 Figures with captions and 10 references.

The article discusses an interesting, relevant and current topic, which is the use of AI-based language models in surgery and the perioperative environment. Certain corrections should be made to the article before publication.

Title, Topic & Focus: The article highlights many functions of language models which are relevant for the general surgical environment and not specific to refractive surgery. The article would have more profile if it was focused more specifically on the current and future use cases of language models in the context of refractive procedures only.

Structure: The current last section has a double title ("Limitations and Ethical Implications" and "Constraints of ChatGPT"). While discussion of limitations are important, two titles should be avoided, instead, the article should end with a conclusion.

Ethics: It should be stipulated clearly that language models are currently not allowed or recommended as a substitute of medical professional for providing medical guidance to patients. A tool would have to be validated first in a distinct process.

Author Guidelines: Please comply with all the author guidelines and provide all the required statements, specifically that the article is your own work (and has not been written with the aid of a technical tool such as a language model).

in-text corrections:

L46: add «of» clear vision

L84: remove “:” after title

L95: «communication” instead of “communications”

L126: “the” instead of “its”

L133: “which are limitations for the use of AI systems in healthcare” instead of “the limitations of using any”

Comment 2:

Reply 2: Dear Reviewer, Thank you very much for your thorough and kind edits, we strongly agree with your advice and have made the necessary changes, as highlighted in yellow, for your further review and expertise. Thank you.

Changes in the text:

L46: add «of» clear vision

L84: remove “:” after title

L95: «communication” instead of “communications”

L126: “the” instead of “its”

L133: “which are limitations for the use of AI systems in healthcare” instead of “the limitations of using any”

### **Reviewer C**

The most relevant study limitations/shortcomings need to be appropriately described as the main caveats have been only partially reported. Finally, what is the take-home message of this manuscript? You need to rearrange the conclusion part for more analysis. You may cite these articles:

<https://doi.org/10.1080/20016689.2023.2230660>; <https://doi.org/10.1007/s10439-023-03204-2>

Comment 3:

Reply 3: Thank you, very much dear reviewer, for your expert comments and edits, we strongly agree with your comments and have made the necessary adjustments for your review, thank you. – **Lines 148-154**

### **Reviewer D**

The concept of this research paper is good. However, when I looked closely at the text, the paper focused on introducing the authors' previous papers. Self-citations and introductions to papers that seem unrelated should be reduced. This is a very important issue.

There is a need to review how AI development related to refractive surgery has been so far. AI has been used in pre-surgical examinations and surgical option selection (for example, <https://pubmed.ncbi.nlm.nih.gov/32704414/>). The paper should be addressed with the comment that generative artificial intelligence will be used in patient care in the future.

Refractive correction includes LASIK, LASEK, SMILE, and lens implantation. Preoperative testing and complications should be introduced and more clearly described as to why GPT is helpful.

Comment 4:

Reply 4: Thank you, very much dear reviewer, for your expert comments and edits, we strongly agree with your comments and have made the necessary adjustments for your review, thank you.