



## Editorial

# Where does the praise for artificial intelligence come to an end? Tolerance for anything is not boundless

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Artificial intelligence (AI) systems are designed to mimic the thinking and decision-making processes of the human mind. While many people use the term 'AI' instead of 'machine learning' or 'deep learning,' it's important to note that these learning systems are just one aspect of AI's broader learning mechanisms [1]. Systems like deep learning solve problems using programmed algorithms and do not engage in any form of 'thinking' beyond the assigned tasks. However, the learning process of AI may start with the algorithms that the programmers recommend to use, but then it becomes a sophisticated process as it acquires unique decision-making and problem-solving abilities in ways that we cannot predict [2].

In perioperative medicine, AI can serve various purposes, including preoperative evaluation and risk assessment, selecting indication-image-specific surgical approaches, efficient perioperative monitoring, and determining personalized regimens for early recovery.

We encourage authors to submit all articles pertaining to the use of AI in perioperative medicine, which are relevant to the scope of our journal, for evaluation and potential publication. However, while we would certainly appreciate evaluating a manuscript that examines the effectiveness of an AI-based system in a clinical trial, assessing an article authored by an AI would create a sense of deception, which holds true for any editorial board.

We would like to inform you that we do not consider studies in which AI assumes the role of an author, methodologist, or supervisor; except for clinical studies that adhere to specific guidelines for evaluating the effectiveness of AI in roles such as authorship, data collector, analyzer etc.

Certainly, the utilization of AI-based systems by non-native English speakers to enhance the linguistic quality of their articles is not encompassed within the aforementioned scope and should be encouraged. In such in-

stances, we believe it would be more suitable for the authors to explicitly mention the name of the AI-based program they employed for linguistic improvements immediately before the references section at the end of the manuscript, as it promotes transparency [3]. We anticipate that our submission system will soon include a dedicated button to address this specific situation.

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