

Editorial

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ChatGPT and artificial intelligence in the Journal of Perinatal Medicine

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ChatGPT, in full Chat Generative Pre-training Transformer, allows a user to ask it questions using conversational, or natural, language. The latest version GPT-4 via the chatbot product ChatGPT Plus was released in March 2023. When presented with a query, ChatGPT will automatically generate a response, which is based on thousands of internet sources, often without further input from the user.

ChatGPT's is easy to use, and we believe that its user-friendliness could increase academic output. ChatGPT might also open the propagation of scientific and other knowledge since it can receive and produce copy in multiple languages, circumventing English-language requirements that can be a publishing barrier for speakers of other languages. As acknowledged by OpenAI, the creator of ChatGPT, it has also the capacity to cause potential harm by producing misleading or inaccurate content, thereby eliciting concerns around scholarly misinformation.

Among the limitations listed by OpenAI (<https://openai.com/blog/chatgpt>), are:

- ChatGPT sometimes writes plausible-sounding but incorrect or nonsensical answers.
- ChatGPT is sensitive to tweaks to the input phrasing or attempting the same prompt multiple times.
- The model is often excessively verbose and overuses certain phrases
- It will sometimes respond to harmful instructions or exhibit biased behavior.

Given these accounts and its popular usage, the editors queried ChatGPT as follows:

“Can you develop a 400–600 word policy and guideline for the Journal of Perinatal Medicine to direct authors how to use ChatGPT and artificial intelligence.” In

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Figure 1 you can read the complete answer by ChatGPT.

The screenshot shows a ChatGPT interface. A user asks: "Can you develop a 400-600 word policy and guideline for the Journal of Perinatal Medicine to direct authors how to use ChatGPT and artificial intelligence". Below this, a large document is displayed with the title "Title: Policy and Guidelines for Authors on the Use of ChatGPT and Artificial Intelligence in the Journal of Perinatal Medicine". The document is organized into sections: Introduction, Purpose and Scope, Responsible Use, Data Collection and Privacy, Transparency and Reproducibility, Validation and Interpretation, Peer Review and Editorial Process, Conclusion, and a Note at the bottom. The text is dense and provides detailed guidelines for AI use in research manuscripts.

Figure 1: ChatGPT question and answers.