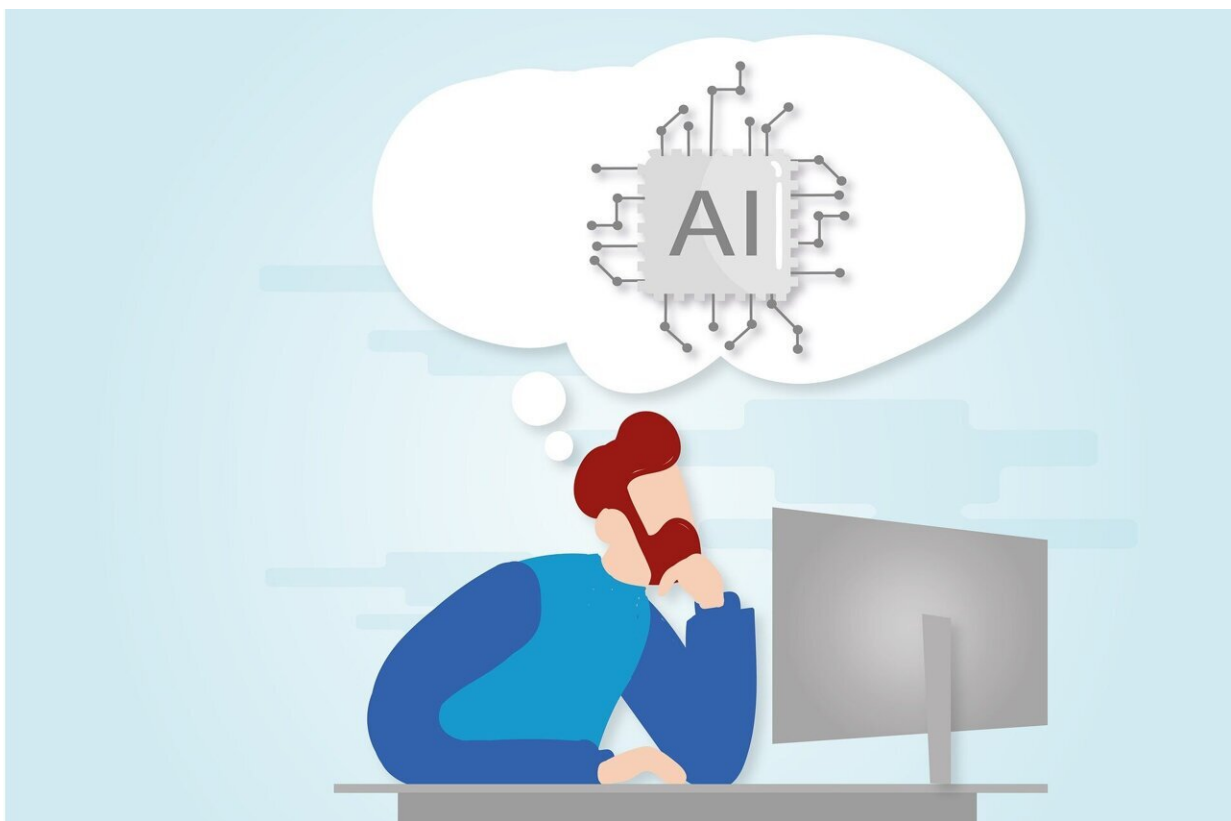


# Exploring potential applications for ChatGPT in nuclear medicine and molecular imaging

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A new article in *The Journal of Nuclear Medicine* explores the potential for using ChatGPT, an artificial intelligence chatbot, in the field of

nuclear medicine and molecular imaging. In the article, Irène Buvat, Ph.D., and Wolfgang Weber, MD, Ph.D., report on discussions they held with ChatGPT regarding several nuclear medicine and molecular imaging topics and provide their commentary on the pros and cons of using the chatbot.

Developed by OpenAI, ChatGPT is a [natural language](#) processing chatbot that can intelligently respond to questions. In conversations with users, the chatbot always "pays attention" and remembers the thread of the dialogue. It is available in more than 90 languages and can be instructed to adopt a specific style, for example, Shakesporean or journalistic language.

Buvat and Weber challenged ChatGPT with questions relevant to [nuclear medicine](#) and [molecular imaging](#) to illustrate the role it could play in the field. ChatGPT received no special preparation for the interview and responded entirely with information from its extensive dataset. The responses of ChatGPT illustrate the strengths and weaknesses of current artificial intelligence bots.

According to Buvat and Weber, artificial intelligence bots such as ChatGPT "should not be feared but rather considered promising allies who will help us cope with ever-increasing workloads, freeing up time to devote to patients and colleagues and to expend more energy on tasks that require unique and advanced expertise."

**More information:** Irène Buvat et al, Nuclear Medicine from a Novel Perspective: Buvat and Weber Talk with OpenAI's ChatGPT, *Journal of Nuclear Medicine* (2023). [DOI: 10.2967/jnumed.123.265636](https://doi.org/10.2967/jnumed.123.265636)

Provided by Society of Nuclear Medicine and Molecular Imaging

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