



Art and relief: How AI portrays success in treating headaches

Marcelo Moraes Valença, Juliana Ramos de Andrade

Federal University of Pernambuco, Pernambuco, Recife, Brazil



Marcelo Moraes Valença
mmvalenca@yahoo.com.br

This article, "Image in Headache Medicine," refers to the picture used on the cover of this edition. An image generated by artificial intelligence (AI) being used as the cover of a scientific journal dedicated to headache medicine once again brings a technological advance and presents an intriguing cover. This choice highlights remarkable advances in AI technology, which in seconds can perform complex tasks that would take hours to complete by humans. However, what is even more fascinating is the way these generative models combine information and portray the way they "visualize" the world and perform tasks that supposedly "emotionless" tools are unlikely to be able to generate a product after receiving commands that involve feeling and emotion (1).

Using Dall-e connected to ChatGPT-4 with the PROMPT "Develop an image showing a person who has successfully undergone headache treatment," two images were generated: the first representing a woman and the second, a man. The attached descriptions were:

Keywords:

Cover
Headache Medicine
Sentiment AI
Treatment

"Here is an artistic representation of an adult experiencing successful headache treatment, sitting peacefully in a relaxed, meditative pose. The peaceful environment reflects a sense of relief and well-being after successful treatment, emphasizing recovery and peace." (Figure 1).

Submitted: June 28, 2024
Accepted: June 29, 2024
Published: June 30, 2024



Figure 1. Artistic representation created by Dall-e representing a woman who underwent successful headache treatment.



Figure 2. Artistic representation created by Dall-e representing a man who underwent successful headache treatment.

"Here is an artistic representation of a person undergoing successful treatment for a headache, depicted in a serene and calm environment. The image conveys a sense of tranquility and relief." (Figure 2).

These generative AI-generated artworks and descriptions consistently surprise with the tasks they perform. The beginning of a new scenario in which sentiment AI exists leads us to questions and expectations regarding technological advances involving generative AI models (2).

References

1. Shank DB, Graves C, Gott A, Gamez P, Rodriguez S. Feeling our way to machine minds: People's emotions when perceiving mind in artificial intelligence. *Computers in Human Behavior*. 2019;98:256-66. Doi 10.1016/j.chb.2019.04.001
2. Kargin A, Petrenko T. Feeling Artificial Intelligence for AI-Enabled Autonomous Systems. 2022 IEEE Global Conference on Artificial Intelligence and Internet of Things (GCAIoT)2022. p. 88-93.

Marcelo Moraes Valença
<https://orcid.org/0000-0003-0678-3782>
Juliana Ramos de Andrade
<https://orcid.org/0000-0002-5445-8872>

Authors contribution: MMV, Conceptualization, Investigation, Writing - Original Draft; JRA, Writing - Review & Editing.

Conflict of interest: The authors declare that there is no conflict of interest.

Funding: none.