

Artificial Intelligence in Healthcare

INTRODUCTION

Artificial intelligence is currently attracting a great deal of interest. Numerous scientific studies describe the potential application of AI in health care, arguing that AI can support the work of medical personnel on many levels.

THE METHODS

A literature review on the topic was used to collect and identify areas where AI is already or could be used in the future to protect human health.

RESULTS AND CONCLUSIONS

AI can be used in many aspects of health care, from disease diagnosis to disease prediction. Examples of the use of artificial intelligence in healthcare include:

- 1. Disease diagnosis:** Artificial intelligence can help doctors diagnose diseases faster and more accurately, using machine learning and analysis of medical data such as test results, X-rays, and MRIs.
- 2. Health monitoring:** AI-based systems can track a patient's health parameters, such as blood pressure, heart rate, glucose levels, or ECG, to identify health problems faster.
- 3. Treating diseases:** AI can help tailor treatments to individual patients, considering their medical history, symptoms, and test results. It can also support detecting drug reactions and suggesting more effective alternatives. AI can also help in the design of new drugs or the development of molecular biology.
- 4. Disease prediction:** AI-based systems can analyze large medical datasets to predict patients' disease risk. They can also identify risk factors and suggest ways to reduce them.

Artificial intelligence, with its ability to process large amounts of data in a short time and make decisions based on this data, can be beneficial in healthcare. Artificial intelligence can help detect subtle changes that may go unnoticed by the human eye, which can lead to faster diagnosis and treatment of diseases. The undoubted advantage of AI is that it can operate continuously, continuously monitoring the patient.

AI can help diagnose various diseases, including respiratory, heart, cancer, neurological, and more. However, it is essential to understand that AI does not replace the doctor but only helps the doctor diagnose diseases. Therefore, the final diagnosis should always be based on a qualified professional's medical. Furthermore, whenever implementing new solutions, ethical issues should also be considered.

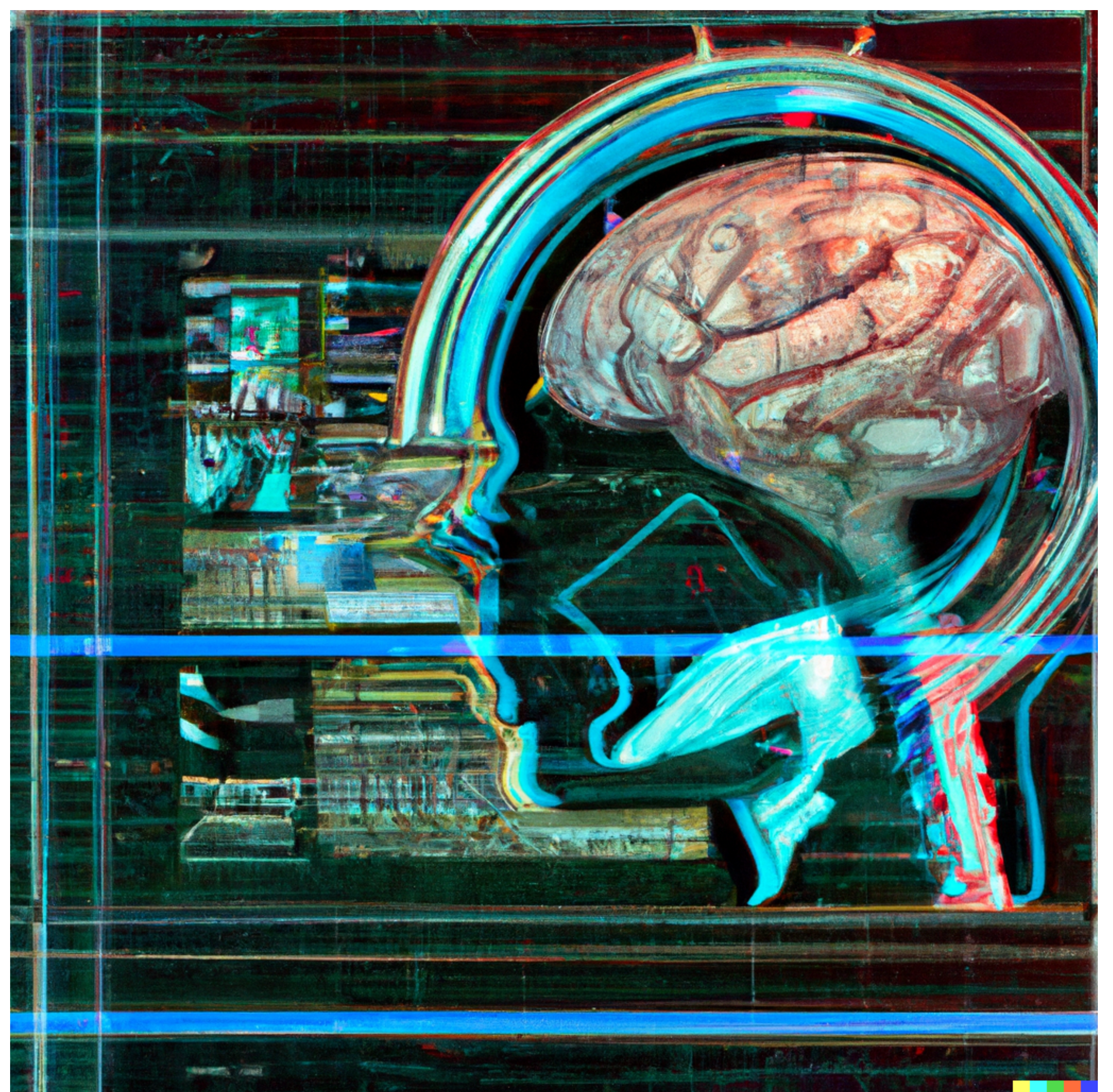


Illustration generated by artificial intelligence. The author asked artificial intelligence to generate an image showing artificial intelligence in Healthcare.

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