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Exploring the Hurdles in Integrating Artificial Intelligence in Medical Education: A Talk with ChatGPT

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ABSTRACT

The integration of artificial intelligence (AI) in the medical field is rapidly increasing, and its importance is recognised as it can analyse medical information and improve patient outcomes. The Chat Generative Pre-trained Transformer (ChatGPT) by OpenAI is a language model that can respond to prompts in a human-like manner and has the potential to transform medical education. In this conversation, the authors engage with ChatGPT to discuss the challenges associated with the application of AI in medical education. ChatGPT acknowledges the limitations of AI in medical education and the importance of students demonstrating their understanding during assessments. It also discusses the need for academic policies to ensure the responsible and ethical use of AI in medical education.

Keywords: *Artificial intelligence, ChatGPT, Medical education*

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INTRODUCTION

Artificial intelligence (AI) integration in the medical field is rapidly increasing to analyse the medical information and gain insights to enhance patient outcomes and their experiences (1). Thus, it is important for medical students to acquire a sufficient understanding of AI in medicine, as they may need to employ these tools in the future (2). In recent months, one such tool called Chat Generative Pre-trained Transformer (ChatGPT) by OpenAI has taken the world by storm. It is a language

model trained on a vast text dataset (3) and able to respond to prompts in a manner that resembles human conversation.

This tool was evaluated on the United States Medical Licensing Examination (USMLE) and performed at or near the passing threshold without specialised training and had a very insightful explanation (4). This is being met with both inquisitiveness and anxiety among the medical fraternity in equal measures, as by enhancing literature efficiency, the use of technology has the potential to transform medical education.