EVALUATION OF CHAT-GPT'S ANSWERS TO SHOULDER STABILIZATION SURGERY-RELATED QUESTIONS

Answers were high-quality, but also required a high reading level to fully understand the information.

Why and How We Did This Study

While Artificial Intelligence (AI) plays a bigger role than ever in many fields, the accuracy and overall quality of the information that it gives still remains unknown. To test the accuracy and reliability of Chat GPT (an AI chatbot), we asked it 23 shoulder stabilization questions that are often asked to doctors by patients. We judged the responses on how medically correct, good, and easy to understand they were. This study is important especially because shoulder instability is an injury that occurs more frequently in younger populations. Since younger individuals actively search on the internet for information, this study can show what they can expect from their search. Furthermore, it can teach them the new aspects as well as the limitations that these AI tools possess.

Entered 23 questions into Chat GPT

ChatGPT answered all 23 questions

Answers were reviewed for accuracy and readability

What We Learned Through the Results

Answers given by Chat GPT were high-quality, but a high reading level was needed to understand the answers.

Since Chat GPT didn't refer to any sources, it was unclear where the answers came from and how reliable they are.

It is important to note that Chat GPT repeatedly stated that patients should consult the questions with an orthopedic surgeon when making decisions.

What These Results Mean

Chat GPT repeatedly stated that consultation with orthopedic surgeons is crucial when making decisions on issues regarding shoulder surgery. This is because the details of an injury change depending on the patient and the specific events that lead to that injury. While Chat GPT provided accurate answers, they were somewhat general and didn't account for particular injury details. To this end, Chat GPT's emphasis on talking to doctors when making decisions and following their recommendations is important.

Read more about this study at the Journal of Arthroscopic & Related Surgery.