

Review of: "Prospective Role of Chat GPT in the Military: According to ChatGPT"

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I read this article with great interest. The author(s) collates a number of potential applications of chat GPT, an AI application from the field of natural language processing (NLP), in the military/battlefield setting.

My two first general comments are that the Abstract is too long and the references very few. Regarding the latter, it may be attributable to the fact that the entire article concerns a very novel scientific fields, consequently relevant literature is scarce. Nevertheless, the author(s) could cite current "traditional" technology that carries out the respective tasks or how chatGPT would serve to fill existing deficits.

Next, I would like to focus on my area of expertise, i.e. Medicine. The author(s) claim that chatGPT could be trained to make diagnosis, triage, medical training, medical research, and communication. Although all these fields are the object of current and intensive research regarding the applications of AI in Medicine, to date no application has demonstrated superiority of traditional diagnostic and management modalities (Loftus TJ 2019, doi: 10.1001/jamasurg.2019.4917; Gulshan V 2016, doi: 10.1001/jama.2016.17216; Ting DSW 2017, doi: 10.1001/jama.2017.18152). Most importantly, some authors have expressed concerns regarding the application of AI in specific medical fields (Hashimoto DA 2018, doi: 10.1097/SLA.0000000000002693).

Focusing on chatGPT in particular, there is also concerns on its role within medical research and clinical practice.

Regarding the former, prominent journals in the field have banned the use of relevant applications for scientific writing and authorship (Flanagin 2023, doi: 10.1001/jama.2023.1344). As far as clinical practice is concerned, the application is not flawless and critical errors have been spotted at various diagnostic and management echelons (The Lancet 2023, doi: 10.1016/S2589-7500(23)00023-7). The only realistic, safe, and applicable implementation of chatGPT at the moment would be in medical education for the purposes of generating realistic case and drill scenarios.

In conclusion, this is an informative general aspect, but lacks substantial supporting evidence. ChatGPT technology has appeared only recently but has already made tremendous impact. This is reflected on the exponential increase in pertinent literature. The authors could have used more of this literature to support their argumentation.