

P19 - Plain language summaries created with Artificial intelligence – Can it save time or waste it?

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INTRODUCTION

Plain language summaries (PLS) are currently a requirement to accompany the summary of clinical trial results submissions according to the European Union Clinical Trials Regulation (EU CTR) 536/2014 Annex V. They aim to contribute to more transparency for people interested in learning about clinical study results, especially for those without medical background.

Artificial intelligence (AI) tools are fast evolving and play an increasingly important role in many fields, including healthcare and medicine. In medical writing (MW), AI could become a powerful tool to increase speed and efficiency in creating outputs, however legitimate concerns arise as to whether it could overtake medical writers in the future. A recent publication describes the creation of 50,000 PLS solely with AI tools (D). But can AI generate text with the same quality as written by an (experienced) Medical Writer, especially regarding correct interpretation of study results and requirements of lay language?

METHODS

To find out, we will

- Analyse completeness, correctness, comprehensibility, and design of PLSs created from clinicaltrials.gov information by AI (using a checklist). Create PLSs with an AI tool using study synopses and perform a MW review to improve quality.
- Find the best balance in terms of PLS quality and MW working time between AI-created, MW-created, and AI-created + review by MW PLSs.
- Compare comprehensibility of AI vs MW-created PLSs in a group of lay persons (using questionnaire).

RESULTS & CONCLUSIONS

We expect that AI will help MWs to create PLSs faster but may not replace a MW's work completely.