# Review of: "Analysing the Automation of Artificial Knowledge in Virology for Safety and Effectiveness in Healthcare: Equilibrium of Advancement and Trials for Secure and Productive Health Necessities"

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The paper is an attempt to review the use of AI in virology and infectious diseases, but it has fallen short in a few areas and perhaps needs to be rewritten. Hence, this review will identify a few areas where the article needs to be rewritten:

- The introduction section needs to define that artificial intelligence is a catch-all term; it needs to specify what artificial intelligence is, the difference between artificial intelligence and machine learning, the different types of machine learning, and a clear set of research questions.
- The introduction section also needs to specify what the current state of knowledge is and what is missing, and why this review is critical and what it is going to add. Reading the article, it was not clear what the need for writing this article was and what it would add that was not already known.
- The methods section needs a research question written in the form of "X for Y," where X = artificial intelligence/machine learning and Y = viral infection, whether detection, surveillance, or indeed other aspects.
- The methods section also needs a clear listing of the databases searched, dates/months/years from/to searched, search terms used with Boolean operators, and if fuzzy logic was used, then that algorithm

  - A detailed inclusion and exclusion criteria

- The results section needs a listing of the initial set of findings and the final set of papers reviewed, and other databases searched using a Prisma diagram.
- The results section needs a summary of individual articles and their summaries.
- The discussion section needs to summarise the results and then discuss the pros and cons and future directions.
- Overall, the language needs to avoid clichés.
- Wish the authors best of luck for a future iteration of this paper.