Review of: "A brief overview on COVID-19 and its comparison with SARS, MERS, and H1N1"

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Potential competing interests: No potential competing interests to declare.

Title of the paper "A Brief Overview on COVID-19 and its Comparison with SARS, MERS, and H1N1" by Saeed Reza Hormozi Jangi

The paper titled "A Brief Overview on COVID-19 and its Comparison with SARS, MERS, and H1N1" by Saeed Reza Hormozi Jangi provides an overview of COVID-19 and compares it with other epidemic diseases such as SARS, MERS, and H1N1.

Here is my observation about this manuscript

- **Abstract:** The abstract provides a brief overview of the COVID-19 pandemic and highlights its higher potential for outbreaks compared to previous epidemics such as SARS, MERS, and H1N1. It mentions the common clinical features of COVID-19, the age distribution of infected individuals, and the role of ACE2 as the receptor for the novel virus. *The abstract adequately summarizes the main points discussed in the paper.*

- **Introduction:** The introduction provides background information about the emergence of COVID-19 and its causative agent, SARS-CoV-2. It mentions the initial case in Wuhan, China, and the subsequent global spread of the disease. The introduction briefly describes coronaviruses and their distribution in mammals. *However, the introduction lacks proper citations, with multiple references listed without corresponding in-text citations. This should be addressed by providing proper citations for the information presented.*

- **Discussion**: This section should discuss the findings in relation to existing knowledge and address the research questions or objectives stated in the introduction.

- **Conclusion:** The conclusion section should summarize the key findings and their implications,*discuss limitations of the study, and propose avenues for further research*.

- **Language Errors:** The paper contains several language errors, including grammar and punctuation mistakes, as well as awkward sentence structures. These errors should be corrected to improve the clarity and readability of the paper. Additionally, the paper lacks a clear and concise writing style, which makes it challenging to follow the author's arguments.

- Lack of New Knowledge: The paper does not contribute any new knowledge or research findings.*It primarily summarizes existing information and studies on COVID-19, SARS, MERS, and H1N1. To enhance the value of the paper, it would be beneficial to include recent research developments or provide a critical analysis of the existing literature.*

Suggested Improvements:

- Include proper citations for the references listed in the introduction.

- Revise and correct language errors, ensuring proper grammar, punctuation, and sentence structure.

- In the conclusion section summarize the key findings and provide implications for future research.

- Diagnostic methods for COVID-19 include rRT-PCR, hematology examination, PCR-based methods, clinical features, and chest CT scans. CT imaging has been found to be highly accurate for the clinical diagnosis of COVID-19, along with rRT-PCR. *However, the accuracy of diagnostic tests can vary, and false-negative results are possible.*

- Citation Errors: It is essential to provide proper citations to give credit to the original authors and to enable readers to access the original research for further reading. This also will enhance the credibility of the information presented and allow readers to explore the original sources.

- New Research or Critical Analysis: To provide valuable insights, the author could include recent research findings or perform a critical analysis of existing studies. This could involve discussing gaps in the current knowledge, proposing new research directions, or highlighting limitations of previous research.

In conclusion, the paper provides an overview of COVID-19 and its comparison with SARS, MERS, and H1N1. However, it suffers from several issues, including citation errors, lack of new knowledge, absence of a study design, and language errors. Implementing the suggested improvements will enhance the paper's quality and contribute to the existing literature on COVID-19

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