

Review of: "The Efficacy of Copper Nanoparticles in Treating Viral Skin Infections: A Systematic Review and Meta-Analysis"

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Potential competing interests: No potential competing interests to declare.

The authors reviewed that viral skin infections are a major health concern causing discomfort, pain, and potential complications. Copper nanoparticles have been shown to be effective in treating viral skin infections and have the potential to be an alternative or complementary treatment modality. This study aims to evaluate the efficacy of copper nanoparticles in treating viral skin infections by synthesizing available evidence. The findings of this study will contribute to the growing body of knowledge regarding the use of copper nanoparticles in dermatology and guide future research and clinical practice in this field. However, I have a few questions/comments that need to be addressed before accepting this review article.

Comments:

1. What specific inclusion and exclusion criteria were established for selecting studies in this systematic review and meta-analysis on the efficacy of copper nanoparticles in treating viral skin infections?
2. Can you elaborate on the standardized tools used for assessing the quality and risk of bias in the included studies, such as the Cochrane Risk of Bias tool or the Newcastle-Ottawa Scale? How were these tools applied in evaluating study design, conduct, and reporting?
3. In the subgroup analysis mentioned in section 4.4, what specific populations or viral strains were considered, and were there any notable variations in the efficacy of copper nanoparticles across these subgroups?
4. How were the outcomes related to the impact of copper nanoparticles on viral load and symptom relief measured and reported in the included studies? Were there consistent metrics used for these assessments, and how was statistical significance determined?
5. Can you discuss the limitations mentioned in the conclusion and elaborate on the identified gaps in the existing literature regarding the efficacy of copper nanoparticles in treating viral skin infections? How might addressing these limitations impact the overall understanding of copper nanoparticles in dermatological applications?
6. Regarding the safety profile discussed in section 5, were there any specific measures or protocols employed to monitor and record adverse effects during the clinical studies evaluating copper nanoparticles for viral skin infections?
7. The article would be improved by the inclusion of some figures and tables. Could the authors provide some figures and tables that would help to illustrate the findings of the study? For example, could the authors provide a figure that shows the structure of copper nanoparticles? Or could the authors provide a table that summarizes the findings of the studies that were included in the meta-analysis?

