Review of: "A memory dependent analysis on permeation of non-Gaussian laser pulse through human skin"

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Potential competing interests: No potential competing interests to declare.

Article Reviewed:

Title: A memory dependent analysis on permeation of non-Gaussian laser pulse through human skin.

Journal: Qeios.

Decision: Major revision.

A thermodynamic analysis of laser treatment on human skin. Replacing Pennes model of thermodynamics, a well-defined memory dependent hyperbolic type thermoplastic heat conduction model is studied by authors and the data are well organized by the authors. I, therefore, recommend this paper be published in this journal after the authors address the following comments necessarily without fail.

Reviewer Comments:

1. Language is fine overall. Pay attention to typographical errors.
2. The novelty of the work must be clearly addressed and discussed, compare your research with existing research findings and highlight novelty.
3. The introduction can cover recent and relevant works and need more references.

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https://doi.org/10.1016/j.rineng.2023.101227,https://doi.org/10.1016/j.tsep.2023.101791. https://doi.org/10.1038/s41598-023-39153-y.https://doi.org/10.1002/zamm.202300140.

1. Author should have mentioned nomenclature in the revised manuscript.
2. It is recommended to add some suggestions for future works in this area to improve the conclusion.
3. The authors should try to give advantages of using their method compared to others.
4. Authors should provide more information about your solution method.
5. Where is validation with experimental studies?