

Review of: "Design and analysis of hand-break release system with the help of accelerator of automobile vehicle"

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Potential competing interests: No potential competing interests to declare.

The presented research paper attempts to present an idea that seems to have a strong impact, and the features of the research paper show design criteria that were not sufficient based on reference No. 7. Thus, I also have essential comments from the research on preparing the research paper, which are:

- 1- The research relied on designing the same model as reference No. 7, except that this research used mechanical systems, not hydraulics.
- 2- In the presented mathematical model, it was built on the analysis of static forces, and kinematics was not taken into account, from which a dynamic mathematical model can be presented.
- 3- Analysis of dynamic design in the presented system
- 4- The presented system must take into account the presence of results to infer the efficiency of the proposal.
- 5- The scientific paper presented a CAD model, and a digital analysis model was not made to infer the accuracy of the presented proposal or make a validation model.

The additional notes are as follows:

- 1- The gap was not written at the end of previous studies, indicating the importance of the presented proposal and what the criteria were on which the research was based in presenting ideas that enrich the research field.
- 2- The references that were used noted the lack of recent research that takes into account the ideas and criteria that were used in the recent scientific community.
- 3- The proposal was devoid of a flow chart for operation, as it was placed under the "Manufacturing" subtitle for the proposal.
- 4- In the research conclusion, the research has shown that it has been proven that a strong and reliable solution has been provided for vehicle safety, unlike the fact that there is no scientific evidence within the research paper to prove this.