

Dear Editor and Dear Authors,

The topic of this paper is very interesting and valuable from a practical point of view, and thank you for your trust to send me the manuscript to review it.

This paper compares the quality of low-energy VMIs obtained with three DECT platforms according to phantom diameter. The experiments were conducted and the conclusions were drawn.

The comments and suggestions are below:

1. The use of personal pronouns (we, our, etc.) is unusual for scientific English. The suggestion is to use Passive Voice instead in the whole paper to improve it.
2. All the abbreviations should be explained at the first appearance, started in abstract (i.e. VMI). On the other hand, the abstract contains many abbreviations and it could be very repulsive for readers. Also, the abstract should reflect the research and paper itself to attract the readers. I think the abstract should be rewritten with more concise wording to highlight the main aspects of the paper. I think the numerical data should be placed in the result discussion section.
3. The Introduction is satisfactory, however in the end of the section a brief summary of the paper should be given.
4. Where is the Related Work section? I think authors should discuss other works from the literature in order to make an appropriate proposal of their research. This part is mandatory for all scientific papers.
5. I think the method section should contain more details. The current explanations are superficial. What image enhancing methods (that are included in the CT software) were used during the research?
6. The experiments and results are satisfactory explained. Are there any image results to include?
7. The Conclusion section is satisfactory.
8. Are there any future works?

The paper is very interesting from a practical point of view, however it has drawbacks that should be corrected.

Recommendation: major revisions.