

# Review of: "Analysis of Dosimetric Parameters of Linear Accelerator"

Nutthapong Moonkum<sup>1</sup>

<sup>1</sup> Rangsit University

**Potential competing interests:** No potential competing interests to declare.

**Topic:** Analysis of Dosimetric Parameters of Linear Accelerator

In general, the research is intriguing, yet certain inquiries arise regarding the research process and methodology. These questions encompass the following aspects:

**Abstract:** Accept

## 1. Introduction:

- What are the key components of Quality Assurance (QA) in radiotherapy, and why are beam flatness and symmetry considered major aspects?
- Describe the technological factors that affect photon beam symmetry and flatness in a LINAC. How do these factors influence the accuracy of the absorbed dose delivered during treatment?
- What are the tolerance limits for deviations between measured and declared dosimetry quantities according to the EQUAL-ESTRO project, and how are these limits categorized?

## 2. Experimental Setup and Plan Evaluation

- In the 2.1 experimental setup, what are the roles and measurement capabilities of the PTW QUICKCHECK device in the daily quality assurance of the LINAC? Specifically, discuss the significance of the vented ionization chambers and the energy chambers in monitoring beam parameters.

## 3. Results and Conclusion: Accept

## 4. Conclusion

- How do the uncertainties in flatness measurements observed with the PTW QUICKCHECK device at various energy levels impact the overall quality assurance process in radiotherapy, and what steps can be taken to address these discrepancies?

## 5. All the figures lack clarity; they can be improved by editing to enhance their sharpness.

