

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

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

The purpose of the article is appropriate, as it will help radiotherapy professionals to improve the quality of care. The PTW Quickcheck device is known for its use in several hospitals in the United States of America.

**Lack:** I consider it important to identify the type of photon to be used in the LINAC, as it is information that allows non-experts on the subject to better understand the article.

**Results Suggestion:** The graphs are a good source of information, but there is a lack of comparative tables between the energies of the beams and the symmetry between them. There is a need for tables that facilitate the comparison of parameters between different energy levels.

There are other authors such as Nicewonger, D., et al., from UT Health of San Antonio who may also be good references.

The Varian IX accelerator features IMRT and RapidArc technology that allows the radiation therapist to deliver radiation to a tumor with greater precision and accuracy, resulting in the potential to minimize side effects and increase cure rates. And with the work presenting data to increase the quality of the operation, patients will gain in accuracy in healing.

**Conclusion:** The subject is not new, but it presents an important contribution by focusing on ensuring the quality of the electron and photon beams delivered by the LINAC, increasing the positive expectation of patient treatment with fewer side effects.

I consider the paper important as a contribution to research.