

Review of: "Medical Physics and Cancer Treatment: Enhancing Precision and Efficacy"

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Potential competing interests: No potential competing interests to declare.

Dear Editor,

Thank you for choosing me as a reviewer for the manuscript entitled "Medical Physics and Cancer Treatment: Enhancing Precision and Efficacy" by [Hany Akeel Al-Hussaniy](#). It is a good piece of work and a well-written manuscript. So I suggest to **accept the manuscript with minor corrections**, which are given below

With regards

Reviewer

Minor needed corrections

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Abstract

1. All right.

Keywords

2. No keywords.

2 Introduction

3. All right.

2 Method

4. All right..

3 Results

3.1. Fundamentals of Radiation Therapy

Types of Radiation Used in Cancer Treatment

5. There are two common types of radiation used in cancer treatment: X-rays and particle beams.

Usually, gamma-rays are used for cancer treatment, whereas X-rays are used for diagnosis. If the authors feel X-rays are also used for cancer treatment, then change the sentence to

There are two common types of radiation used in cancer treatment: photons (X-rays & g-rays) and particle beams.

Radiation Dose Calculation and Delivery

6. All right.

Role of Imaging Techniques in Cancer Diagnosis and Treatment

7. All right.

3.2. X-ray Imaging

8. All right.

Computed Tomography (CT)

9. For the word "X-ray", it is written with a capital letter X and sometimes with a small letter x. It should be unified.

3.3. Advancements in Radiotherapy Techniques

10. All right.

3.4. Intensity-Modulated Radiation Therapy (IMRT)

11. All right.

3.5. Stereotactic Body Radiation Therapy (SBRT)

12. All right.

4. Brachytherapy: Internal Radiation Therapy

13. All right.

5. Particle Therapy in Cancer Treatment

14. ---in comparison to conventional X-ray or gamma-ray (photon) radiation.

It is better to write as.

---in comparison to conventional photon (X-ray or gamma-ray) radiation.

15. The rest of the part is all right.

6. Role of Medical Physics in Treatment Planning and Dosimetry

16. All right.

7. Emerging Technologies in Medical Physics and Cancer Treatment

17. All right.

8. Artificial Intelligence in Radiotherapy Planning

18. All right.

9. Future Directions and Challenges in Medical Physics and Cancer Treatment

19. There are also many challenges which lie ahead.

I feel a comma is missing. So change to

There are also many challenges, which lie ahead.

20. In the next two sub-sections, we discuss the future directions and challenges in medical physics and cancer treatment.

In which two sub-sections?

10 Conclusion

21. All right.

Acknowledgements

22. No acknowledgement

References

23. Why are the numbers written two times in each reference?