

Review of: "Dose Reduction in Medical Radiography: Advancing Veterinary Diagnostic Solutions"

Seyed Alireza Mousavi Shirazi¹

¹ Islamic Azad University South Tehran Branch

Potential competing interests: No potential competing interests to declare.

In this paper, the authors have raised a developed technology to reduce the absorbed dose in veterinary radiography, particularly for horses and pets. The authors must revise the current manuscript based on the following comments, and the answers must be inserted within the manuscript.

1. Clearly explain the novelties of this research. Has this method been applied before?
2. Explain the materials used for fabricating both the FPD and LAD.
3. Justify the choice of using amorphous selenium instead of NaI or LiI.
4. Clearly present the anthropomorphic phantom used in the research as a separate figure, as it is currently not visible in the illustrated figures, and only DICOM files are seen in Fig. 3. The applied phantom must clearly be illustrated as a separate figure.
5. Revise incomplete and hard-to-read sentences for accuracy and clarity, such as the example provided: "As LAD Hamamatsu C9750T line scan camera Fig.2A was used."
6. Amend the sentence "water thickness increased" in the Abstract section to "the more the water thickness increases."
7. On page 2, paragraph 3 (line 1), correct the sentence "Digital detectors have replaced conventional films in medical imaging" to "Conventional films have been replaced with digital detectors in medical imaging."
8. Amend the title of the paper, specifically the phrase "Advancing Veterinary Diagnostic Solutions," as it is considered nonsensical.
9. Remove the preposition "to" from the sentence in the legend of Fig 1: "let direct photons to form."