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| Book Name: | [Science and Technology: Developments and Applications](https://www.bookpi.org/bookstore/product/science-and-technology-developments-and-applications-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5107** |
| Title of the Manuscript: | **Ka,e Measurement in X-ray Beams for Optimizing Diagnostic Reference Levels** |
| Type of the Article | **BOOK CHAPTER** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Physical Science International Journal, Volume 28, Issue 6, Page 65-74, 2024.**

**DOI: 10.9734/psij/2024/v28i6859**

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **The importance of this work lies in improving measurement practices for safer and more efficient use of ionizing radiation in diagnostic imaging based on a well-detailed experimental approach by quantifying the air kerma at the entrance surface during examinations and comparing the results obtained with national and international diagnostic reference levels (DRL) and technological advances in order to optimize patient radiation protection without compromising diagnosis.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **I prefer this title : Entrance surface air kerma measurement during radiographic examinations for Optimizing Diagnostic Reference Levels** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **I recommend adding the results (numerical values) to the abstract** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Sufficient and recent references** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **Yes** |  |
| Optional/General comments | **I recommend adding a summary of the results in the conclusion section** |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)* |  |

**Reviewer details:**

**Belhaj Omaima Essaad, Abdelmalek Essaadi University, Morocco**