



### REVIEWER'S REPORT

**Manuscript No.:** IJAR-56536

**Title:** Artificial Intelligence in Digital Dentistry: Imaging to Risk Prediction

**Recommendation:**

- Accept as it is .....
- Accept after minor revision.....**
- Accept after major revision .....
- Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity		✓		
Significance	✓			

Reviewer Name: Dr. Gulnawaz

### Reviewer's Comment for Publication

The manuscript presents a comprehensive review of the role of artificial intelligence in digital dentistry, focusing on its applications in diagnostic imaging, risk prediction, and clinical decision support. The topic is highly relevant and timely, as artificial intelligence technologies are increasingly being integrated into healthcare systems, including dental practice.

The article provides a well-structured overview of the evolution of AI applications in dental imaging, including 2D radiography, CBCT imaging, and intraoral scanning. The discussion of deep learning models such as convolutional neural networks and modern detection architectures is informative and supported by relevant literature. The manuscript also highlights important methodological frameworks such as TRIPOD-AI, PROBAST-AI, PRISMA-AI, and CLAIM, which strengthen transparency and reproducibility in AI research. Furthermore, the discussion on challenges related to data heterogeneity, algorithmic bias, clinical workflow integration, and ethical considerations adds valuable perspective to the topic.

However, a few minor revisions are recommended to improve the manuscript. Some sections of the introduction and methodology discussion could be slightly condensed to enhance readability and flow. Certain statements would benefit from clearer transitions between paragraphs. Additionally, minor grammatical and formatting corrections should be addressed, and citation formatting should be checked for consistency throughout the manuscript.

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Overall, the manuscript provides a useful and informative overview of current developments and future directions of artificial intelligence in digital dentistry. With minor revisions to improve clarity and presentation, the article is suitable for publication.