



REVIEWER'S REPORT

Manuscript No.: IJAR-57268

Title: **Digital Twin Models for Piezoelectric Sensor-Based Medical Imaging Using AI.**

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 an interesting and emerging topic that integrates digital twin technology, piezoelectric sensors, and artificial intelligence for medical imaging and diagnostics. The idea of shifting from static imaging techniques to dynamic, real-time patient-specific models is timely and aligns well with current trends in smart healthcare and personalized medicine. The paper highlights important applications such as injury classification, continuous monitoring, and predictive diagnostics, which add to its relevance and significance.

However, the manuscript requires **minor revisions** before it can be considered for publication. The abstract needs improvement, as it contains grammatical errors and lacks clarity; additionally, the keywords section is incomplete. Throughout the paper, there are several issues with language, sentence structure, and repetition of ideas, particularly in sections discussing the role of AI. These should be carefully revised for clarity and conciseness.

The technical depth of the paper is moderate, but it would benefit from more concrete examples, figures, or case studies to better illustrate the proposed concepts. The references are relevant and recent, which strengthens the credibility of the work, though proper formatting consistency should be ensured.

Overall, the manuscript has good potential but requires improvements in presentation, language quality, and minor structural refinements to enhance readability and impact.