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## REVIEWER'S REPORT

**Manuscript No.: IJAR-57267**

**Title: Advanced Piezoelectric Sensors Integrated with AI for Real-Time Medical Imaging.**

**Recommendation:**

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

Rating	Excel.	Good	Fair	Poor
Originality		Y		
Techn. Quality		Y		
Clarity		Y		
Significance		y		

**Reviewer's ID: JPR-Dr. Shaweta Sachdeva**

### *Detailed Reviewer's Report*

1. The title is relevant but slightly too long; consider making it more concise for stronger impact.
2. The abstract provides a general overview but lacks specific results, examples, or quantitative insights that would make it more compelling.
3. There are minor punctuation and grammar errors in the abstract that need correction.
4. The keywords section is incomplete and must be properly filled with relevant terms.
5. The introduction is informative but contains long and repetitive sentences; it would benefit from better conciseness and clarity.
6. Some statements in the introduction are too general and need stronger support or more precise wording.
7. Paragraph transitions are not smooth, which affects the overall flow of the paper.
8. Certain terms (e.g., phrasing like "interrogation between technologies") are unclear and should be replaced with more appropriate technical language.
9. In the conventional imaging section, some descriptions are vague or incorrectly worded, reducing technical clarity.
10. The discussion of materials is good but lacks numerical comparisons or data to support claims.
11. Sentence structure is sometimes overly complex; shorter, clearer sentences would improve readability.
12. The AI integration section is conceptually strong but lacks detail on model performance, datasets, and validation.

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13. Acronyms are introduced but not always clearly explained or consistently used.
14. The explanation of IoT and cloud integration is somewhat generic; adding a clearer workflow or structure would improve it.
15. Some claims appear overstated and should either be supported with evidence or expressed more cautiously.
16. The challenges section is relevant but contains informal or incorrect wording that should be revised.
17. There are multiple spelling and spacing errors throughout the paper that require careful proofreading.
18. The discussion of technical challenges could be strengthened with real-world examples or case studies.
19. Ethical and regulatory aspects of AI in healthcare are missing and should be included.
20. The conclusion summarizes the content but mainly repeats earlier points; it should emphasize future directions or novel insights.
21. Reference formatting is inconsistent and should follow a standard citation style.
22. Overall, the paper has a strong concept but needs improvement in language quality, technical depth, and academic precision.