

REVIEWER'S REPORT

Manuscript No.: IJAR-56787

Title: The Diagnostic Gap in Acute Myocardial Infarction: A Systematic Review of Physician Accuracy in Interpreting ST-segment Elevation

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 ID: JP085

Reviewer's Comment for Publication.

This manuscript presents a systematic review and meta-analysis evaluating physician accuracy in interpreting ST-segment elevation myocardial infarction (STEMI) using ECG. The study includes multiple databases, appropriate methodology, and statistical analysis. The results show moderate sensitivity and specificity, highlighting the risk of missed diagnoses and the importance of AI support and clinical correlation

Strength:

1. Well-designed systematic review and meta-analysis with clear objectives.
2. Inclusion of multiple databases.
3. Use of statistical methods.
4. Clinically important topic related to STEMI diagnosis and patient safety.
5. Provides useful recommendations like AI support and serial ECG use.

Weakness:

1. Some grammar and formatting errors present.
2. Heterogeneity among studies may affect results.
3. Limited discussion on publication bias.
4. Some sections are lengthy and repetitive.
5. Figures/flow diagram could be presented more clearly.

Overall assessment:

The manuscript addresses an important clinical issue and provides valuable insights into ECG interpretation accuracy. With minor improvements in language, clarity, and presentation, the article is suitable for publication.

Recommendation: Manuscript accepted for publication after minor corrections.