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## REVIEWER'S REPORT

Manuscript No.: IJAR-58116

Title: *Ferric Carboxymaltose and its Efficacy in Antenatal Women with Sickle Cell Trait with Moderate to Severe Iron Deficiency Anaemia in the Second Trimester: A Hospital-Based Prospective Interventional Study*

### 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 S. K. Nath

### Detailed Reviewer's Report

#### Strength of the study:

- The study addresses an important clinical problem in maternal health
- Prospective interventional design strengthens the quality of evidence
- Clearly defined inclusion and exclusion criteria improve study reliability
- Appropriate statistical analysis supports the findings
- Maternal and neonatal outcomes were evaluated comprehensively
- Results are presented in clear tables with easy interpretation
- The discussion is supported by relevant and recent literature

#### Weakness of the study:

- Ethical clearance approval number is not clearly mentioned
- The study was conducted at a single center
- Lack of a comparison or control group limits interpretation
- Follow up duration was relatively short
- Long term maternal and neonatal outcomes were not assessed
- Minor grammatical and formatting errors require correction
- The discussion could include broader comparison with similar studies

#### Reviewers Comments:

This manuscript evaluates the efficacy and safety of ferric carboxymaltose in pregnant women with sickle cell trait and moderate to severe iron deficiency anaemia. The topic is clinically relevant and addresses a population that has received limited attention in previous studies. The methodology is appropriate, and the statistical analysis supports the conclusions drawn by the authors. The results are presented clearly with well-organized tables and meaningful interpretation. However, the manuscript should clearly state the institutional ethical clearance approval number and confirm informed consent from all participants if not already included. Minor grammatical errors and formatting inconsistencies should be corrected to improve readability. The absence of a control group and the single-center design should be acknowledged as important limitations, along with the relatively short follow up period. Despite these limitations, the study provides valuable clinical evidence and makes a meaningful contribution to the existing literature. The manuscript is suitable for publication after minor revision.

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### **Previously Published anywhere/Plagiarism check:**

The manuscript appears to be an original research study, and there is no obvious indication of duplicate publication or copied material based on the submitted version. No apparent evidence of plagiarism was identified during this review. A routine plagiarism similarity check by the journal is recommended before final acceptance to ensure compliance with publication ethics.