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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		Good		
Techn. Quality	Excellent			
Clarity	Excellent			
Significance	Excellent			

Reviewer's ID: Dr. Sumathi

Detailed Reviewer's Report

- 1. Ferric carboxymaltose (commonly branded as *Injectafer* in the US and *Ferinject* globally) is an intravenous (IV) iron replacement medication used to treat iron deficiency anemia (IDA). It is typically prescribed when oral iron supplements are ineffective or cannot be tolerated.**
- 2. Sickle cell trait (SCT) is an inherited genetic condition where a person carries one normal hemoglobin gene and one sickle cell gene. Unlike sickle cell disease (SCD), individuals with SCT are generally healthy, experience a normal life span, and rarely develop symptoms. It is not a disease and cannot turn into one.**
- 3. Iron deficiency anemia is the most common form of anemia, occurring when your body lacks enough iron to produce hemoglobin. This essential protein allows red blood cells to carry oxygen throughout your body. Without it, you may experience extreme fatigue, pale skin, weakness, and shortness of breath.**
- 4. The second trimester of pregnancy spans weeks 14 through 27 (months four through six). Widely known as the "honeymoon**

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period," it often brings a much-needed energy boost and relief from the intense nausea and fatigue typical of the first trimester.

- 5. An IV iron infusion is a medical procedure where iron is delivered directly into your bloodstream through a vein. It is used to rapidly and effectively treat iron deficiency anemia. Doctors typically prescribe it when oral supplements fail, aren't tolerated, or when iron needs to be replenished immediately.**
- 6. Pregnancy outcomes refer to the final results of a fertilization event. In the United States, roughly 67% of pregnancies end in live births, 15% in fetal loss (miscarriage or stillbirth), and 17% in abortion. While most are healthy and full-term, adverse outcomes can occur, significantly impacting both short- and long-term maternal and infant health.**
- 7. Key words are good.**
- 8. Abstract is meaningful**
- 9. Result part for tables can be made graphs.**
- 10. Summary points can be included.**
- 11. References should be with alphabetical order.**
- 12. After those changes good to publish in your journal.**