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Peer Review

Review of: "Role of Inflammation in the Pathogenesis of Anemia in Chronic Kidney Disease: Exploring the Impact of Inflammatory Biomarkers on Erythropoiesis and Erythropoietin Response"

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The paper is well-written and addresses an important and timely topic. The sample size is adequate for the study. However, it would be beneficial to include information on the distribution of CRP levels to provide insights into how CRP is distributed across the groups. Additionally, presenting graphs for the regression analyses would enhance the clarity and interpretation of the data.

It would also be valuable to include measurements of ERFE levels in the patients, as ERFE plays a crucial role in the regulation of hepcidin via erythroblasts and EPO signaling (PMID: 29419424). Moreover, information regarding iron supplementation in the patient cohort would be insightful. Specifically, details on whether patients received iron supplementation, and if so, the type (oral or intravenous), the specific formulation, frequency, and dosage, would add significant context to the findings. Additionally, examining potential differences in patient responses to different iron compounds would provide a deeper understanding of the efficacy and implications of various supplementation strategies.

That being said, the paper is relatively short and would benefit from more in-depth discussion and analysis. While the topic is well-documented in the literature, the manuscript includes only a limited number of references despite the abundance of relevant studies available. Expanding the reference list

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and integrating more of the existing body of research would strengthen the overall impact and credibility of the work.

Declarations

Potential competing interests: No potential competing interests to declare.