Qeios

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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This study shows that higher CRP levels are linked to worse anemia, higher EPO needs, and poor iron use in CKD patients on haemodialysis, highlighting the role of inflammation in anemia management. Here are two suggestions for improvement:

-EPO resistance is mainly inferred from higher doses required, without a standardized definition or measurement. Define EPO resistance explicitly (e.g., target haematocrit not achieved despite EPO doses exceeding a certain threshold). Use standardized indices (such as the EPO Resistance Index) to quantify resistance, facilitating clearer comparison.

-The study does not detail iron supplementation regimens, iron status management, or anti-inflammatory treatments. Include data on iron therapy specifics (type, dose, route) and any anti-inflammatory interventions. This will provide context for interpretation and help develop practical management strategies.

Declarations

Potential competing interests: No potential competing interests to declare.

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