

Review of: "A Novel Approach: The Akl-Ahmed Insulin Sensitivity Prediction Equation (AA-ISPE) as an Alternative to HOMA-IR for Predicting Insulin Resistance"

Asaad Babker¹

¹ Gulf Medical University

Potential competing interests: No potential competing interests to declare.

To further enhance the quality of your paper, the following suggestions would be considered:

1. **Validation Methods Discussion:** While you have included information on validation procedures, delving deeper into the specific validation methods used to evaluate the accuracy and reliability of the AA-ISPE equation would bolster the paper. Providing a detailed explanation of how the equation underwent validation across diverse datasets and populations could bolster the credibility of the study.
2. **Biomarker Diversity:** Although BMI, CRP, and IL-6 are significant biomarkers, relying solely on these variables may have limitations. Exploring the potential impact of incorporating additional biomarkers or clinical variables associated with insulin resistance could offer a more holistic assessment and prediction of sensitivity.
3. **Practical Implementation Challenges Addressed:** Acknowledging the potential obstacles related to implementing the AA-ISPE equation in practice, such as the accessibility and cost of biomarker assays, could strengthen the paper. Discussing how these challenges may influence the widespread adoption of the equation in clinical settings would provide a more nuanced perspective on its application.