

# Review of: "Non-Invasive Prenatal Testing (NIPT) for Aneuploidy in a Setting with a High Consanguineous Rate – A Retrospective Cohort Review of 1,153 Cases"

Murat Basar<sup>1</sup>

<sup>1</sup> Biruni University

Potential competing interests: No potential competing interests to declare.

## Rationale:

- The study addresses an important topic, exploring the impact of consanguinity on the outcomes of NIPT, which is particularly relevant for regions with high consanguinity rates.
- The sample size is relatively large, which lends some weight to the findings.
- However, there are several areas of concern that need to be addressed to enhance the quality and clarity of the article.

## Conditions for Acceptance:

1. Provide a more detailed breakdown of the demographics of the sample.
2. Elaborate on the statistical methods used, especially concerning the lack of significance in the failure rates between groups.
3. Discuss the selection and reliability of the commercial brands used for NIPT.
4. Address the limitations of the retrospective study design.
5. Expand on false positives and their implications.
6. Enhance the introduction to provide more context on the relevance of consanguinity.