

Review of: "The Rural-Urban Divide: Insights from Immuno-Genetic Profiles and Implications for Health"

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Potential competing interests: No potential competing interests to declare.

The Rural-Urban Divide: Insights from Immuno-Genetic Profiles and Implications for Health

COMMENTS

1. Title and Objectives of the study

The title and aim of the study are well presented, but the study did not cover all the research questions.

1. Material and Methods

- a. Study design: What sampling methods were used for the selection of villages? And individuals in terms of sex and age?
- b. Sample size: What formula was used to determine the sample size to give the study adequate power to address the hypotheses in this study.
- c. Statistical analysis: The association methods used to support the conclusions were not shown in the paper.

1. Results

Analysis of the results is not well presented to support the conclusions of the study.

Gene expression results: How were the ten genes chosen, based on what criteria? Why were only 7 genes analyzed?

The sampling method was not indicated.

Genotype analysis: There are many assumptions which affect departure from HWE, not only natural selection and population substructuring, mentioned in the paper. Tables 1 and 2 used in the study are not clear enough to show effects of genotypes on disease prevalence between rural and urban populations.

1. Discussion and Conclusion

The discussion here is about other studies elsewhere, some not even related to the subject at hand, and not much discussion has been done on the results of this study.

The conclusions are made from assumptions through knowledge from other papers, and not from the results of this study.

1. Recommendations.

The whole manuscript needs to be revised, paying particular attention to methodology, results, and the discussion.