Reviewer's report

Title: Genetic Polymorphisms of Angiotensin-2 Type 1 Receptor and Angiotensinogen and Risk of Renal Dysfunction and Coronary Heart Disease in Type 2 Diabetes Mellitus

Version: 1 Date: 22 January 2009

Reviewer: afig berdeli

Reviewer's report:

Through my assessment, this article will definitely demonstrate the examination of genetic polymorphisms in the RAS which was in less attention in comparison with the ACE-I/D genotype also providing de novo data set about genetics and kidney and cardiac disease in adults with Type 2 Diabetes. By investigating the single nucleotide polymorphisms among classification of women, men and a compound dataset, in type 2 diabetes, the additive modifying impacts of sex between coronary heart disease and RAS gene polymorphisms has been determinated. Eventually from the manuscript it is obvious that of the confident results demonstrating among type 2 diabet patients the AGT1R1166C allele is directly associated with kidney loss of function in both women and men however with CHD only in men and with CHD only in women with the association of AGT235T allele. Considering the comments of the author and the data which has been recently reported, the accurate implication of the polymorphisms in association with the up-regulation of the RAS undoubtly play a primary role in CKD and CHD.

I have assessed the work considering the basic points dealing with the discretionary revisions which include my recommendations for improvement however the author can perform or not, minor essential revisions including tables, figures and footnotes etc and major compulsory revisions before the publication of the article and can definitely assure you about my confidential comments on this article.

I did not see any significant, noteworthy or minor statistical mistakes, errors in the interpretation of the experimental results and datas belonging to the limitations of the work. Through the article, an excellent usage of scientific terms and spelling are persistant. All of the tables and figures are in accordance with the general meaning and conclusions of the article and they are all labeled and explained correctly. I am not in opinion giving any recommendations for improvement of the author that would be useful or any essential. All of the results and conclusions are well clarified and the article do not contain any unnecessary datas. The objective of the study was well defined and have seriously beneficial effect on society in getting rid of the clinical phenotype implications of the disease severity. The experimental methods used in the study are described correctly and convenient for the aim and approach of the study in the way of reaching to the best results. The author referred correctly published and unpublished studies while constructing his work. The article has been seen in accordance with the
previous presentations excluding the remarkable conclusions. The concluding remarks are all in relation through the target and results of the work showing an excellent harmony. The title and abstract of the study are correctly reflect the results and strongly in association with the purpose indicating an accurate understanding.

As a reviewer, I believe that the research is not falsified or manipulated and no plagiarism has occurred as contributions towards the article. Furthermore, no ethical or policy issues that should be considered have been seen.

Based on my assessment dealing with the validity of the manuscript, I do not see any remaining advice and the article should be accepted without any revisions and undertake publication without further guidance.