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: 16 January 2009

Reviewer: Cinzia Fatini

Reviewer’s report:

This paper, which investigates the role of polymorphisms of AGT and AGTR1 genes in the RAAS in modulating the predisposition to and CKD and CHD in type 2 diabetes, is of interest, even if data are not original.

The paper is well written and the sample size is adequate.

Minor essential revision:

Several inaccuracies concerning both the English syntax and genetic terms are present throughout the text; the AGT1R may be replaced as AGTR1, in the aim of the study the AGT A(-6)G polymorphism has been omitted

In the results section data concerning the prevalence of the AGT M235T polymorphism has been provided, even if the linkage disequilibrium with the AGT A(-6)G polymorphism.

In the Discussion Authors state to examine an additive genetic model, nevertheless no results are present in the results section, please clarify. Page 10, line 21 the “CC variant must be replaced as CC genotype”.

Table 1. Due to the relationship between AGTR1 gene and angiotensin II AT1 receptor antagonists, Authors should provide information concerning this therapy in the clinical characteristics of patients

Table 2. should be improved

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, and I have assessed the statistics in my report.