Reviewer's report

Title: Glutathione S-Transferase P1 (GSTP1) Gene Polymorphism Increases Age-Related Susceptibility of Hepatocellular Carcinoma

Version: 1 Date: 7 August 2009

Reviewer: Daya Shankar Lal Srivastava

Reviewer's report:

In summary, there are major and some minor revision without that it is not going to publish. Which are given below:-

Major Revision:

Now, for the epidemiological study publication, there is need large sample size (at least 200 cancer patients). Authors control number is ok but there is need to add more cancer patient samples so that concrete result will come in statistical analysis. When it stratified (stage, grade, age strata etc.) in analysis there is less in number (2, to 8 etc) so the statistical power will not come for the concrete results in logistic regression model.

Beside that there is other major limitation related to risk factor information because this cancer is affected by genetic and environmental factors (alcohol, smoking etc.).

Minor revision:

Background

1. Background, line 3, phase II glutathione s-transferases should be change in phase II enzymes such as glutathione s-transferases (GSTP1, GSTA1).
2. In background, method part, CR-RFLP full form initial capital letter should be change in small letter.
3. In background, conclusion is not much clear, re-write again.

Introduction

1. Line 14, electrophilic should be change in electrophilic metabolites.
2. Line 15, you have written about 2 papers but mention only one, WHY? Re-write this sentence again in effective way.

Material and Method

1. Subject’s part, last line, informed written consent should be change in written informed consent.

Discussion

1. Paragraph 1, is not clear according to your hypothesis because you did not cited the articles related to genetic factor. So you should re-write it.
2. Para 2, Line 11, should be change in this way: these two studies demonstrate non-significant association.
3. Line 11-14 is not clear. Rewrite in effective ways.
4. Line 25 is not clear, after the year old put full stop (.) then write next sentence in scientific way.

Change whole manuscript in place of no significantly different into non–significant.

**Level of interest:** An article of importance in its field

**Quality of written English:** Not suitable for publication unless extensively edited

**Statistical review:** No, the manuscript does not need to be seen by a statistician.