Reviewer's report

Title: Familial multinodular goiter syndrome with Papillary Thyroid Carcinomas: Mutational Analysis of the Associated Genes in 5 Cases from 1 Chinese Family

Version: 1 Date: 16 September 2013

Reviewer: Yuan Yang

Reviewer's report:

Comments to the article:

The authors investigated the potential effect of susceptibility loci known to be associated with PTC in a rare Chinese family with MNG and PTC. The study contains some interesting points on the possible genetic predisposition to the familial form of MNG with PTC. The paper could be better considered as a case report.

Major points:

1. According to current evidence, the molecular pathophysiology of PTC and MNG is different. So the authors should give more information to explain why a common genetic background can be postulated in the study.

2. I suggest the re-editing of the manuscript as a case report due to the relatively limited objects.

Minor points:

1. The methods of the study in analyzing the susceptibility loci should be provided in the abstract and main body.

2. Some abbreviations should be mentioned properly, such as: fMNG, Sporadic PTC, SNPs…

3. What is the means of “by genetic sequence” in the line240 of page12.

4. It should be “the risk allel homozygote” in the line 309 of page 15.

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

Quality of written English: Acceptable

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

Declaration of competing interests:

I declare that I have no competing interests.