Reviewer's report

Title: Mutations in the STK11 gene in Czech Peutz-Jeghers families

Version: 1 Date: 9 March 2009

Reviewer: Justo Lorenzo Bermejo

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Major Compulsory Revisions

The title should be changed into: Mutations in the STK11 gene in eight individuals from five Czech Peutz-Jeghers families. Unfortunately, the description of patients clarifies "three sporadic cases did not fulfill criteria to establish PJS diagnosis.

Abstract: Molecular analysis could be helpful in PJ disease management. The contribution of this article to reach this objective is not clear to this reviewer.

Methods: Here the five PJ Czech families are not PJ families anymore. The interest of the article relies on the association genotype-phenotype, not on sequencing.

Introduction: Please quantify risk elevation

Patients: Please indicate fulfillment of PJS criteria in the table.

Last sentence on page 3, who?

Results and discussion: the first sentence belongs to Material and methods.
It is possible to establish some relationship between genotypes and phenotypes?
I do not understand the last sentence on page 7.

Page 9: two individuals without family history who do not fulfill PJS criteria were included in the study on the basis of the result from case C1 (?)
What was the aim of the discussion on GI cancer development in PJ patients?

Level of interest: An article of limited interest

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