Reviewer's report

Title: Nutrigenomics Therapy of HCV Hepatosteatosis

Version: 4 Date: 7 October 2009

Reviewer: Giuliano Ramadori

Reviewer's report:

This review on 'nutrigenomics' in HCV-related liver steatosis addresses in a first instance the effects of fatty acids and dietary fat composition on transcriptional activity of genes involved both in carbohydrate and lipid metabolism.

This is a comprehensive review on a relevant topic. Some points, however, need to be addressed:

1. Abstract – Methods: PubMed search is given as the only method that has been applied. However, a description of the method (apart from the 4 keywords: e.g. which publication period was searched, were only articles in English considered or also others?) and the results are given in no place (How many matches?). Possibly a structured abstract with a method section is not appropriate for a review.
2. Abstract – Results: The content of this para does not cover the content of the review.
3. The term 'transcription genes' first mentioned on page 6, 2nd para, is misleading.
4. Ref 9 might be substituted by a review which focuses on HCV genomic organisation, e.g. one by Ralf Bartenschlager.
5. In the context of steatosis and VLDL assembly, the authors should refer to hypolipoproteinemia in HCV-related steatosis. The mentioning of the fact that PPAR agonists ameliorate hyperlipidemia in humans and mice is misleading (pages 9 and 10).
6. Many spelling errors, i.e. even within the author name and the department, need to be deleted, and the manuscript needs a careful language editing.

Level of interest: An article of importance in its field

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

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 below.