Reviewer's report

Title: Serotonin transporter gene polymorphism is associated with functional dyspepsia: a case control study

Version: 3 Date: 8 April 2011

Reviewer: Beate Niesler

Reviewer's report:

As stated in my previous report, the data is just preliminary and should be treated as such. This is still not addressed in the revised manuscript accordingly.

Most of the critical major points have not been addressed by the authors accordingly.

In the abstract of their manuscript, the authors still state that they ‘clarified’ the relationship between the serotonin receptor gene polymorphism and FD. As pointed out previously, at best they addressed this topic and report on preliminary results.

The authors still highly overrate their results and should discuss their data more carefully taking also most recent publications in the field into account.

1. The major weakness of the data is caused by the fact that the authors did still not correct for multiple testing and did not address this topic in the manuscript.

2. The authors should state this problematic more clearly in the manuscript and also discuss this possibility. It is mandatory to call the association nominally associated and to take the possibility of false positive findings into account.