Reviewer's report

Title: Treatment of chronic HCV genotype 1 infection with telaprevir: A Bayesian mixed treatment comparison of fixed-length and response-guided treatment regimens in treatment-naive and -experienced patients

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Reviewer: Pavel Strnad

Reviewer's report:

Chronic hepatitis C is a major health problem and although the current therapy is ineffective, it is associated with significant adverse effects. Therefore, it is imperative to identify treatment regimen, which are both efficient and well tolerated. To do so, Goralczyk et al. compared different telaprevir-containing therapeutic schemes using a Bayesian mixed comparison.

This is an interesting and well-performed study which will be of interest to the readers of BMC Gastroenterology. However, before this paper can be accepted, a few things should be clarified (minor essential revisions):

- the description of the treatment schemes seems to be inconsistent throughout the manuscript: for example, Figure 1 suggests that group D was subjected to a 12 week treatment with TVR+IFN+RBV only while abstract describes it as a treatment with TVR+IFN+RBV for 12 weeks followed by 12 weeks of RBV+IFN.... another discrepancies seem to be in the other figure legends... Please check the complete manuscript for consistency.

- the manuscript contains multiple typos (page 8- "and and", legend Figure 5-"imputed", page 12, 1st line-"do not no how", page 17-"schema" etc). A thorough language editing would be desirable.

- it was not quite clear to me whether the SVR rates refer to patients who entered the study or to patients who completed the treatment... in fact, it would be good to know whether both analyses yield similar results or not

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

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

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

No competing interests.