Reviewer’s report

Title: Changes of the T cells-related cytokines on post-infectious irritable bowel syndrome mouse model

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Reviewer: Cesare Cremon

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This is an interesting study assessing the role of immune mechanism in the pathophysiology of post-infectious irritable bowel syndrome (PI-IBS). In mice infected with Trichinella larvae, the authors assessed abdominal withdrawal reflex (AWR) scores, intestinal histology, and the expression (at day 56 post-infection) of pro- and anti-inflammatory cytokines. The levels of IFN-γ and IL-17 were significantly increased in the duodenum and ileum, while those of IL-10 were decreased in jejunum, ileum, and colon of PI-IBS vs. control group.

The study appears to be well designed and conducted, and the results are clearly reported. The discussion is consistent with the results. However, English language is sometimes poor and needs consistent revision. All the sections should be thoroughly revised since some mistakes may have occurred.

Level of interest: An article of importance in its field

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

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests.