Reviewer's report

Title: Potential immunological consequences of pharmacological suppression of gastric acid production in multiple sclerosis subjects

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Reviewer: Graziella Filippini

Reviewer's report:

Biswas et al. produced a narrative review of experimental results on the possible roles of gastric acid inhibitors on immunopathogenic mechanisms associated with MS. The authors addresses an interesting topic. For clinicians and patients with MS this is an important issue, since gastric acid inhibitors are frequently used in clinical practice. Neurological literature about the relation between use of these medications and effects on MS course is sparse.

All together I think this manuscript is valuable for the medical community dealing with highly specialised treatments and especially for the neurological community. The review presented is new, and worthwhile to be published, since it addresses a very important and urgent topic, namely the quality of medical treatment and how to improve this.

Minor Essential Revision

The reference number "34" refers to the trial of copolymer 1. This treatment is not included in the related paragraph "H2R activation suppresses proinflammatory T cell responses (pg 5).

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.