Reviewer’s report

Title: LONGITUDINAL STUDY OF GASTROESOPHAGEAL REFLUX AND EROSIONE TOOTH WEAR

Version: 0 Date: 01 May 2017

Reviewer: Aurelio Mauro

Reviewer's report:

In this well conducted study authors wanted to evaluate the progression of erosive tooth wear in a oligosymptomatic cohort of patients (57 patients with GERD symptoms < 2 per week) with positive pH-MII treated with a continous PPI (esomeprazolo 20 mg once) for one year. They observed in the majority of patients (74%) no progression of erosive tooth wear at one year (in 59 patients and at 2 years in 12 patients). However, as the author stated in the discussion, there are no data of erosive tooth wear progression in a control group of patient without taking PPI due to decision of the Ethical review board. However personally I'm not agree with this decision because I don't think that oligo or asymptomatic patients without erosive esophagitis needs continuative PPIs; therefore the inclusion of control group of asymptomatic patients, without taking PPI or taking PPI cyclically during the year, should have been included.

Nonetheless I think that this paper illustrates something new in literature. However they have to discuss the clinical outcome of the study: is it feasible to prescribe longlife PPIs in oligo or asymptomatic patients just to avoid erosive tooth wear progression? I don't think so and it should be underlined in the discussion.

It could be useful do describe the progression rate of erosive tooth wear dividing symptomatic and oligo symptomatic patients.

Minor comments:

- How it was measured oesophagogastric junction distance for pH-MII catheter positioning? If it was with pull-through methods describe in the discussion that it is a limitation

- Describe erosive esophagitis rate and grading

- In background page 3 line 11 add "patients" at the end of the sentence
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

No

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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