Reviewer's report

Title: Early effects of oral administration of lafutidine with mosapride compared with lafutidine alone on intragastric pH values

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Reviewer: Spiros Ladas

Reviewer's report:

In this study Iida et al compare the effect of the co-administration of an H-2 receptor antagonist (lafutidine) and a prokinetic (mosapride) versus the administration of the H-2 receptor antagonist alone, on the intragastric pH during the immediate post-administration period. The hypothesis to test is that the co-administration of the prokinetic would accelerate the absorption of the H-2 antagonist by accelerating gastric emptying resulting in a more rapid and effective on-demand therapy for GERD.

Major Compulsory Revisions

In the introduction (line 9) the authors state that their study was aiming to examine whether H2RA + mosapride could more rapidly increase intragastric pH. This is repeated in the Discussion (page 9, lines 10 and 15-16). However, they have not measured the time elapsed since the administration of the drug(s) for intragastric pH to increase above a certain pH, e.g. 4, 5 or 6.

Minor Essential Revisions

1. The authors comment that the combined administration of lafutidine and mosapride could be an effective on-demand therapy for GERD. However, they have studied healthy volunteers and not GERD patients requiring on-demand therapy. They should, therefore, comment on this in the discussion section.

2. In the Background page 4) the authors comment about gastric ulcer haemorrhage and gastric pH. This is not relevant with study and should be omitted (lines 1-4)

3. The authors may wish to refer and comment on a recently published study on the same topic (Dig Dis Sci. 2008;53:3128-32)

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, and I have assessed the statistics in my report.

Declaration of competing interests:
'I declare that I have no competing interests'